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L19	L18 AND beta-amyloid	67	L19
L18	((514/2)!.CCLS.)	5449	L18
L17	L16 AND beta-amyloid	16	L17
L16	(424/130.1.CCLS.)	1159	L16
L15	L14 AND beta-amyloid	179	L15
L14	((530/300 530/350 530/387.1)!.CCLS.)	15553	L14
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L12	Yednock-Theodore.IN.	2	L12
L11	Yednock.IN.	33	L11
L10	Bard-Fred.IN.	0	L10
L9	Bard-F.IN.	5	L9
L8	Bard-Frederique.IN.	4	L8
L7	Bard.IN.	705	L7
L6	Schenk-D.IN.	6	L6
L5	Schenk-Dale.IN.	3	L5
L4	Schenk-D-B.IN.	16	L4
L3	Schenk-Dale-B.IN.	21	L3
L2	Schenk.IN.	2234	L2
L1	(Schenck.IN.)	468	L1

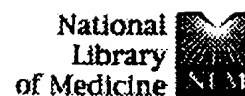
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L6	L3 AND N-terminus	449	L6
L5	L4 AND N-terminus	425	L5
L4	L3 AND Alzheimer	1188	L4
L3	L2 AND antibody	1255	L3
L2	L1 AND beta-amyloid	1767	L2
L1	(amyloid)	6109	L1

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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


























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

















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
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
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
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
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
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

















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
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
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
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
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
















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












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















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
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
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
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
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
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
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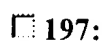
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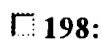
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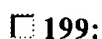
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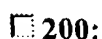
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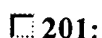
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
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









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


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


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


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


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
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
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
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
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
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


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


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





















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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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


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


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
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
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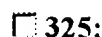
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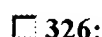
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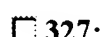
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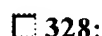
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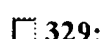
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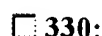
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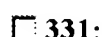
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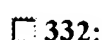
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
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
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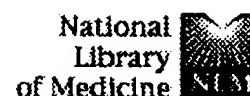
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



























Immunotherapy for Alzheimer's disease: will vaccination work?




















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
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















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
















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
















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
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


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













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
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
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














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



















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
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
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
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
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
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
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
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

















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
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
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
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
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

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

















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








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

















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
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
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
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
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
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
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
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
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
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

















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
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
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
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
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
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
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
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
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
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
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
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
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
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
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


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


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
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
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



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
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
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














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











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



















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
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
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
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


















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











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Comparison of four staining methods on the detection of neuritic plaques.

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Beta-amyloid precursor protein of Alzheimer disease occurs as 110- to 135-kilodalton membrane-associated proteins in neural and nonneural tissues.

Proc Natl Acad Sci U S A. 1988 Oct;85(19):7341-5.

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=> S L2 AND human
L3 2495 L2 AND HUMAN

=> S L3 AND N-terminus
L4 391 L3 AND N-TERMINUS

=> D L4 1-391

AN 2002:621745 BIOSIS
 DN PREV200200621745
 TI Simple morphometry of axonal swellings cannot be used in isolation for dating lesions after traumatic brain injury.
 AU Leclercq, Pascale D.; Stephenson, Matthew S.; Murray, Lillian S.; McIntosh, Tracy K.; Graham, David I.; Gentleman, Stephen M. [Reprint author]
 CS Department of Neuroinflammation, Division of Neuroscience and Psychological Medicine, Faculty of Medicine, Imperial College of Science, Technology and Medicine, St. Dunstan's Road, Charing Cross Campus, London, W6 8RP, UK
 s.gentleman@ic.ac.uk
 SO Journal of Neurotrauma, (October, 2002) Vol. 19, No. 10, pp. 1183-1192. print.
 ISSN: 0897-7151.
 DT Article
 LA English
 ED Entered STN: 4 Dec 2002
 Last Updated on STN: 4 Dec 2002

L4 ANSWER 2 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2001:121222 BIOSIS
 DN PREV200100121222
 TI Intraneuronal Abeta42 immunoreactivity in Down syndrome brain.
 AU Mori, C. [Reprint author]; Spooner, E. T.; Lu, M.; Wisniewski, K.; Wisniewski, T.; Yamaguchi, H.; Saido, T. C.; Selkoe, D. J.; Lemere, C. A. Brigham " Women's Hospital, Harvard Medical School, Boston, MA, USA
 CS Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-764.7. print.
 SO Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 7 Mar 2001
 Last Updated on STN: 15 Feb 2002

L4 ANSWER 3 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2001:87711 BIOSIS
 DN PREV200100087711
 TI Ischemia and ***beta*** - ***amyloid*** peptide immunoreactivity in rat brain.
 AU Lin, B. [Reprint author]; Ginsberg, M. D.; Busto, R.; Li, L.
 CS University of Miami School of Medicine, Miami, FL, USA
 SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-276.13. print.
 Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
 ISSN: 0190-5295.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 14 Feb 2001
 Last Updated on STN: 12 Feb 2002

L4 ANSWER 4 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2000:122846 BIOSIS
 DN PREV200000122846
 TI The 68K protease has beta-secretase-like activity for lymphocyte precursor protein but not for brain substrate.
 AU Matsumoto, Akira [Reprint author]
 CS Department of Radiation Biophysics and Genetics, Kobe University School of Medicine, Kusunoki-cho 7, Kobe, 650-0017, Japan
 SO Neuroreport, (Feb. 7, 2000) Vol. 11, No. 2, pp. 373-377. print.
 CODEN: NERPEZ. ISSN: 0959-4965.
 DT Article
 LA English
 ED Entered STN: 5 Apr 2000
 Last Updated on STN: 3 Jan 2002

L4 ANSWER 5 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1999:271844 BIOSIS
 DN PREV199900271844
 TI Platelets and PAUF

Kimberly; Long, Heidi J.; Billingslea, Andrea M.; Hasteley, Ryan; Johnson, Robin; Fine, Richard E.; Smith, Sally J.; Simons, Elizabeth R.; Davies, Theresa A. [Reprint author]
CS Boston University School of Medicine, 80 East Concord St, K6, Boston, MA, 02118, USA
SO Journal of Laboratory and Clinical Medicine, (May, 1999) Vol. 133, No. 5, pp. 507-515. print.
CODEN: JLCMAK. ISSN: 0022-2143.
DT Article
LA English
ED Entered STN: 15 Jul 1999
Last Updated on STN: 15 Jul 1999

L4 ANSWER 6 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:202760 BIOSIS
DN PREV199799501963
TI Cathepsin D displays in vitro beta-secretase-like specificity.
AU Chevallier, Nathalie; Vizzavona, Jean; Marambaud, Philippe; Baur, Claus Peter; Spillantini, Maria; Fulcrand, Pierre; Martinez, Jean; Goedert, Michel; Vincent, Jean-Pierre; Checler, Frederic [Reprint author]
CS Institut de Pharmacologie Moléculaire et Cellulaire, CNRS, 660 route des Lucioles, Sophia Antipolis, 06560 Valbonne, France
SO Brain Research, (1997) Vol. 750, No. 1-2, pp. 11-19.
CODEN: BRREAP. ISSN: 0006-8993.
DT Article
LA English
ED Entered STN: 12 May 1997
Last Updated on STN: 12 May 1997

L4 ANSWER 7 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:69117 BIOSIS
DN PREV199799368320
TI Enhanced aggregation of ****beta**** - ****amyloid**** -containing peptides by extracellular matrix and their degradation by the 68 kDa serine protease prepared from ****human**** brain.
AU Matsumoto, Akira; Enomoto, Taira; Fujiwara, Yoshisada; Baba, Hitsamitsu; Matsumoto, Reiko
CS Dep. Radiation Biophysics and Genetics, Kobe Univ. Sch. Med., Kusunoki-cho 7-5-1, Chuo-ku, Kobe 650, Japan
SO Neuroscience Letters, (1996) Vol. 220, No. 3, pp. 159-162.
CODEN: NELED5. ISSN: 0304-3940.
DT Article
LA English
ED Entered STN: 11 Feb 1997
Last Updated on STN: 11 Feb 1997

L4 ANSWER 8 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:562789 BIOSIS
DN PREV199799292145
TI Metabolites of the ****beta**** - ****amyloid**** precursor protein generated by beta-secretase localise to the trans-Golgi network and late endosome in 293 cells.
AU Stephens, David J.; Austen, Brian M. [Reprint author]
CS Dep. Surg., St. George's Hosp. Med. Sch., Cranmer Terrace, Tooting, London SW17 0RE, UK
SO Journal of Neuroscience Research, (1996) Vol. 46, No. 2, pp. 211-225.
CODEN: JNREDK. ISSN: 0360-4012.
DT Article
LA English
ED Entered STN: 23 Dec 1996
Last Updated on STN: 23 Dec 1996

L4 ANSWER 9 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1995:460388 BIOSIS
DN PREV199598474688
TI A serine protease in Alzheimer's disease cells cleaves a 16K-peptide with flanking residues upstream to ****beta**** - ****amyloid**** - ****N**** - ****terminus**** as natural substrate.
AU Matsumoto, Akira [Reprint author]; Matsumoto, Reiko; Baba, Hisamitsu; Fujiwara, Yoshisada
CS Dep. Radiation Biophysics Genetics, Kobe Univ. Sch. Med., Kusunoki-cho 7-5-1, Chuo-ku, Kobe 650, Japan
SO Neuroscience Letters, (1995) Vol. 195, No. 3, pp. 171-174.
CODEN: NELED5. ISSN: 0304-3940.
DT Article

ED Entered STN: 27 Oct 1995
Last Updated on STN: 27 Oct 1995

L4 ANSWER 10 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1995:221264 BIOSIS
DN PREV199598235564
TI Characterisation of an ***antibody*** relevant to the neuropathology
of Alzheimer disease.
AU Jakes, R.; Harrington, C. R.; Spillantini, M. G.; Goedert, M.; Klug, A.
[Reprint author]
CS MRC Lab. Mol. Biol., Hills Road, Cambridge CB2 2QH, UK
SO Alzheimer Disease and Associated Disorders, (1995) Vol. 9, No. 1, pp.
47-51.
CODEN: ADADE2. ISSN: 0893-0341.
DT Article
LA English
ED Entered STN: 31 May 1995
Last Updated on STN: 31 May 1995

L4 ANSWER 11 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:499033 BIOSIS
DN PREV199497512033
TI Processing of the pre- ***beta*** - ***amyloid*** protein by
cathepsin D is enhanced by a familial Alzheimer's disease mutation.
AU Dreyer, Robert N.; Bausch, Kathryn M.; Fracasso, Paul; Hammond, Lisa J.;
Wunderlich, David; Wirak, Dana O.; Davis, Gary; Brini, Carla M.; Buckholz,
Thomas M.
CS P. P. Tamburini, Miles Inc., Pharmaceuticals Div., 400 Morgan Lane, West
Haven, CT 06516, USA
SO European Journal of Biochemistry, (1994) Vol. 224, No. 2, pp. 265-271.
CODEN: EJBCAI. ISSN: 0014-2956.
DT Article
LA English
ED Entered STN: 28 Nov 1994
Last Updated on STN: 29 Nov 1994

L4 ANSWER 12 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:229461 BIOSIS
DN PREV199497242461
TI Ca-2+-dependent 68-kilodalton protease in familial Alzheimer's disease
cells cleaves the ***N*** - ***terminus*** of ***beta*** -
amyloid.
AU Matsumoto, Akira [Reprint author]; Fujiwara, Yoshisada
CS Dep. Radiation Biophysics and Genetics, Kobe Univ. Sch. Med., Kusunoki-cho
7-5-1, Chuo-ku, Kobe 650, Japan
SO Biochemistry, (1994) Vol. 33, No. 13, pp. 3941-3948.
CODEN: BICHAW. ISSN: 0006-2960.
DT Article
LA English
ED Entered STN: 24 May 1994
Last Updated on STN: 14 Jul 1994

L4 ANSWER 13 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:181291 BIOSIS
DN PREV199497194291
TI Differential distribution of amyloid protein precursor immunoreactivity in
the rat brain studied by using five different ***antibodies***.
AU Beeson, James G.; Shelton, Earl R.; Chan, Hardy W.; Gage, Fred H. [Reprint
author]
CS Univ. Calif., San Diego, 9500 Gilman Dr., La Jolla, CA 93093-0627, USA
SO Journal of Comparative Neurology, (1994) Vol. 342, No. 1, pp. 78-96.
CODEN: JCNEAM. ISSN: 0021-9967.
DT Article
LA English
ED Entered STN: 26 Apr 1994
Last Updated on STN: 27 Apr 1994

L4 ANSWER 14 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:591363 BIOSIS
DN PREV199497010733
TI Characterization of ***beta*** - ***amyloid*** peptide from
human cerebrospinal fluid.
AU Vigo-Pelfrey, Carmen [Reprint author]; Lee, Doris; Lieberburg, Pam VV
Keiman; Schenk, Dale B.
CS Athena Neurosciences, Inc., 8005 Gateway Blvd., Suite 200, San Diego, CA 92121, USA

SO Journal of Neurochemistry, (1993) Vol. 61, No. 5, pp. 1965-1968.
CODEN: JONRA9. ISSN: 0022-3042.
DT Article
LA English
ED Entered STN: 28 Dec 1993
Last Updated on STN: 28 Dec 1993

L4 ANSWER 15 OF 391 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1992:526911 BIOSIS
DN PREV199294134986; BA94:134986
TI STRONG IMMUNOREACTIVITY OF ****BETA**** ****AMYLOID**** PRECURSOR
PROTEIN INCLUDING THE ****BETA**** ****AMYLOID**** PROTEIN SEQUENCE AT
****HUMAN**** NEUROMUSCULAR JUNCTIONS.
AU ASKANAS V [Reprint author]; ENGEL W K; ALVAREZ R B
CS USC NEUROMUSC CENT, 637 SOUTH LUCAS AVE, LOS ANGELES, CALIF 90017, USA
SO Neuroscience Letters, (1992) Vol. 143, No. 1-2, pp. 96-100.
CODEN: NELED5. ISSN: 0304-3940.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 19 Nov 1992
Last Updated on STN: 24 Dec 1992

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AN 2003-14872 BIOTECHDS
TI New Activity Dependent Neurotrophic Factor I complex polypeptide, useful
for reducing neuronal cell death, treating oxidative stress in a patient,
or improving learning and/or memory in a subject with e.g. Alzheimer's
disease;
protein and ****antibody**** useful for disease therapy and
diagnosis
AU BRENNEMAN D E; CASTELLON R; SPONG C Y; HAUSER J M; GOZES I
PA UNIV RAMOT AT TEL AVIV LTD; US DEPT HEALTH and HUMAN SERVICES
PI WO 2003022226 20 Mar 2003
AI WO 2002-US29146 12 Sep 2002
PRAI US 2002-371961 10 Apr 2002; US 2001-322760 12 Sep 2001
DT Patent
LA English
OS WPI: 2003-354501 [33]

L4 ANSWER 17 OF 391 BIOTECHNO COPYRIGHT 2003 Elsevier science B.V. on STN
AN 1996:26391320 BIOTECHNO
TI . ****beta**** .- ****amyloid**** protein precursor in Microcebus
murinus: Genotyping and brain localization
AU Silhol S.; Calenda A.; Jallageas V.; Mestre-Frances N.; Bellis M.; Bons
N.
CS Neuromorphologie Fonctionnelle, Ecole Pratique des Hautes Etudes, UMII,
Place Eugene Bataillon, 34095 Montpellier Cedex 5, France.
SO Neurobiology of Disease, (1996), 3/3 (169-182)
CODEN: NUDIEM ISSN: 0969-9961
DT Journal; Article
CY United States
LA English
SL English

L4 ANSWER 18 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:691919 CAPLUS
TI Demonstration by FRET of BACE interaction with the amyloid precursor
protein at the cell surface and in early endosomes
AU Kinoshita, Ayae; Fukumoto, Hiroaki; Shah, Tejal; Whelan, Christa M.;
Irizarry, Michael C.; Hyman, Bradley T.
CS Alzheimer Disease Research Laboratory, Harvard Medical School,
Massachusetts General Hospital, Charlestown, MA, 02129, USA
SO Journal of Cell science (2003), 116(16), 3339-3346
CODEN: JNCSAI; ISSN: 0021-9533
PB Company of Biologists Ltd.
DT Journal
LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:300608 CAPLUS
DN 138:319696
TI ****Antibodies**** specific to amyloid beta

IN Chain, Daniel G.
PA Israel
SO U.S. Pat. Appl. Publ., 28 pp., Cont.-in-part of U.S. Ser. No. 402,820.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003073655	A1	20030417	US 2002-84380	20020228
	WO 9844955	A1	19981015	WO 1998-US6900	19980409
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	WO 2003074081	A1	20030912	WO 2002-US31590	20021021
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 1997-41850P	P	19970409		
	WO 1998-US6900	W	19980409		
	US 1999-402820	A2	19991012		
	US 2002-84380	A	20020228		

L4 ANSWER 20 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:905741 CAPLUS
DN 137:381934
TI Detection of Alzheimer's amyloid by magnetic resonance imaging
IN Wisniewski, Thomas; Turnbull, Daniel; Sigurdsson, Einar M.
PA New York University, USA
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002094191	A2	20021128	WO 2002-US16057	20020523
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003147811	A1	20030807	US 2002-151614	20020523
PRAI	US 2001-292625P	P	20010523		

L4 ANSWER 21 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:755708 CAPLUS
DN 130:137213
TI Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases
AU Simons, Elizabeth R.; Marshall, Derek C. L.; Long, Heidi J.; Otto, Kim; Billingslea, Andrea; Tibbles, Heather; Wells, John; Eisenhauer, Patricia; Fine, Richard E.; Cribbs, David H.; Davies, Theresa A.; Abraham, Carmela R.
CS Department of Biochemistry, Boston University School of Medicine, Boston, MA, USA
SO Amyloid (1998) 5(3) 153-162

PB Parthenon Publishing Group
DT Journal
LA English

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 22 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1997:348622 CAPLUS
DN 127:31883
TI Alzheimer's soluble amyloid .beta. is a normal component of ***human***
urine
AU Ghiso, Jorge; Calero, Miguel; Matsubara, Etsuro; Governale, Samuel; Chuba,
Joseph; Beavis, Ronald; Wisniewski, Thomas; Frangione, Blas
CS Dep. of Pathology, New York Univ. Medical Center, New York, NY, 10016, USA
SO FEBS Letters (1997), 408(1), 105-108
CODEN: FEBLAL; ISSN: 0014-5793
PB Elsevier
DT Journal
LA English
- L4 ANSWER 23 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1997:227599 CAPLUS
DN 126:291920
TI GM1 ganglioside-bound amyloid .beta. -protein: A possible form of
preamyloid
AU Yanagisawa, Katsuhiko; Ihara, Yasuo
CS Dep. Dementia Res., Natl. Inst. Obu Sci., Obu, 474, Japan
SO Shinkei Kenkyu no Shinpo (1997), 41(1), 70-79
CODEN: SKNSAF; ISSN: 0001-8724
PB Igaku Shoin
DT Journal
LA Japanese
- L4 ANSWER 24 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:489433 CAPLUS
DN 125:139682
TI Overexpression of a COOH-terminal fragment of . ***beta*** .-
amyloid precursor protein in HeLa cells results in accumulation in
a pre-Golgi compartment and generation of an A.beta.-like fragment
AU Kuentzel, Sandra L.; Gonzalez-DeWhitt, Patty A.; Lowery, David E.; Altman,
Richard A.; Leone, Joseph W.; Heinrichson, Robert L.; Greenberg, Barry D.;
Raub, Thomas J.
CS Drug Delivery Systems Research, Upjohn Company, Kalamazoo, MI, 49001, USA
SO Amyloid (1996), 3(2), 86-99
CODEN: AIJIET; ISSN: 1350-6129
PB Parthenon Publishing
DT Journal
LA English
- L4 ANSWER 25 OF 391 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:304682 CAPLUS
DN 125:7373
TI A novel brain cysteine protease forms an SDS stable complex with the .
beta .- ***amyloid*** precursor protein
AU Chang, Tien; Abraham, Carmela R.
CS School of Medicine, Boston University, Boston, MA, 02118, USA
SO Annals of the New York Academy of Sciences (1996), 777(Neurobiology of
Alzheimers Disease), 183-188
CODEN: ANYAA9; ISSN: 0077-8923
PB New York Academy of Sciences
DT Journal
LA English
- L4 ANSWER 26 OF 391 DISSABS COPYRIGHT (C) 2003 ProQuest Information and
Learning Company; All Rights Reserved on STN
AN 96:22003 DISSABS Order Number: AAI9607953
TI PROCESSING OF BETA-APP IN ALZHEIMER'S DISEASE AND DOWN SYNDROME: CATHEPSIN
S UPREGULATION AND A-BETA HETEROGENEITY (AMYLOID PRECURSOR PROTEIN)
AU LEMERE, CYNTHIA ANN [PH.D.]; BLUSZTAJN, JAN KRZYSZTOF [advisor]
CS BOSTON UNIVERSITY (0017)
SO Dissertation Abstracts International, (1996) Vol. 56, No. 11B, p. 5961.
Order No.: AAI9607953. 196 pages.
DT Dissertation
FS DAI
LA English

Last Updated on STN: 19960402

L4 ANSWER 27 OF 391 DISSABS COPYRIGHT (C) 2003 ProQuest Information and
Learning Company; All Rights Reserved on STN
AN 93:54275 DISSABS Order Number: AAR9330150
TI GENERATION OF POTENTIALLY AMYLOIDOGENIC FRAGMENTS FROM THE ***BETA*** -
AMYLOID PRECURSOR PROTEIN BY BRAIN SERINE PROTEASES (ALZHEIMER'S
DISEASE)
AU MARTIN, BRONWYN L. [PH.D.]; ABRAHAM, CARMELA R. [advisor]
CS BOSTON UNIVERSITY (0017)
SO Dissertation Abstracts International, (1994) Vol. 54, No. 6B, p. 3048.
Order No.: AAR9330150. 342 pages.
DT Dissertation
FS DAI
LA English
ED Entered STN: 19931119
Last Updated on STN: 19931119

L4 ANSWER 28 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN ABU08509 peptide DGENE
TI Enabling measurement of full length ***beta*** - ***amyloid***
peptide level for tracking progression of Alzheimer's disease, comprises
capturing and binding terminus of ***beta*** - ***amyloid***
peptide with ***antibodies*** -
IN Fong K L
PA (FONG-I) FONG K L.
PI US 2002182660 A1 20021205 11p
AI US 2002-51496 20020118
PRAI US 2000-183407P 20000218
US 2001-784854 20010216
DT Patent
LA English
OS 2003-328616 [31]
DESC ***Human*** amyloid beta peptide (1-39).

L4 ANSWER 29 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN ABU08508 peptide DGENE
TI Enabling measurement of full length ***beta*** - ***amyloid***
peptide level for tracking progression of Alzheimer's disease, comprises
capturing and binding terminus of ***beta*** - ***amyloid***
peptide with ***antibodies*** -
IN Fong K L
PA (FONG-I) FONG K L.
PI US 2002182660 A1 20021205 11p
AI US 2002-51496 20020118
PRAI US 2000-183407P 20000218
US 2001-784854 20010216
DT Patent
LA English
OS 2003-328616 [31]
DESC ***Human*** amyloid beta peptide (1-40).

L4 ANSWER 30 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN ABU08507 peptide DGENE
TI Enabling measurement of full length ***beta*** - ***amyloid***
peptide level for tracking progression of Alzheimer's disease, comprises
capturing and binding terminus of ***beta*** - ***amyloid***
peptide with ***antibodies*** -
IN Fong K L
PA (FONG-I) FONG K L.
PI US 2002182660 A1 20021205 11p
AI US 2002-51496 20020118
PRAI US 2000-183407P 20000218
US 2001-784854 20010216
DT Patent
LA English
OS 2003-328616 [31]
DESC ***Human*** amyloid beta peptide (1-41).

L4 ANSWER 31 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
AN ABU08506 peptide DGENE
TI Enabling measurement of full length ***beta*** - ***amyloid***
peptide level for tracking progression of Alzheimer's disease, comprises
capturing and binding terminus of ***beta*** - ***amyloid***
peptide with ***antibodies*** -

PA (FONG-I) FONG K L.
 PI US 2002182660 A1 20021205 11p
 AI US 2002-51496 20020118
 PRAI US 2000-183407P 20000218
 US 2001-784854 20010216
 DT Patent
 LA English
 OS 2003-328616 [31]
 DESC ***Human*** amyloid beta peptide (1-42).

L4 ANSWER 32 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
 AN ABU08505 peptide DGENE
 TI Enabling measurement of full length ***beta*** - ***amyloid***
 peptide level for tracking progression of Alzheimer's disease, comprises
 capturing and binding terminus of ***beta*** - ***amyloid***
 peptide with ***antibodies*** -
 IN Fong K L
 PA (FONG-I) FONG K L.
 PI US 2002182660 A1 20021205 11p
 AI US 2002-51496 20020118
 PRAI US 2000-183407P 20000218
 US 2001-784854 20010216
 DT Patent
 LA English
 OS 2003-328616 [31]
 DESC ***Human*** amyloid beta peptide (1-43).

L4 ANSWER 33 OF 391 DGENE COPYRIGHT 2003 THOMSON DERWENT on STN
 AN ABG76102 Protein DGENE
 TI New purified recombinant catalytically active memapsin 2
 (beta-secretase), useful for designing and screening of specific
 inhibitors for the diagnosis, prevention and/or treatment of Alzheimer's
 disease -
 IN Lin X; Koelsch G; Tang J J N
 PA (OKLA-N) OKLAHOMA MEDICAL RES FOUND.
 PI US 2002164760 A1 20021107 44p
 AI US 2001-795903 20010228
 PRAI US 1999-141363P 19990628
 US 1999-168060P 19991130
 US 2000-177836P 20000125
 US 2000-178368P 20000127
 US 2000-210292P 20000608
 US 2000-604608 20000627
 DT Patent
 LA English
 OS 2003-246668 [25]
 DESC ***Human*** memapsin 2/T7 fusion protein.

L4 ANSWER 34 OF 391 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS
 RESERVED. on STN
 AN 96343306 EMBASE
 DN 1996343306
 TI The 68 kDa .beta.-secretase with heparan sulfate is expressed in serum and
 lymphocyte cytosol of normal aged and Alzheimer's disease patients.
 AU Matsumoto A.; Enamoto T.; Fujiwara Y.; Baba H.; Matsumoto R.
 CS Dept. Radiation Biophysics Genetics, Kobe University School of Medicine,
 Kusunoki-cho 7-5-1, Chuo-Ku, Kobe 650, Japan
 SO Alzheimer's Research, (1996) 2/4 (115-119).
 ISSN: 1356-918X CODEN: ALREFB
 CY United Kingdom
 DT Journal; Article
 FS 005 General Pathology and Pathological Anatomy
 008 Neurology and Neurosurgery
 029 Clinical Biochemistry
 LA English
 SL English

L4 ANSWER 35 OF 391 FEDRIP COPYRIGHT 2003 NTIS on STN
 AN 2003:166129 FEDRIP
 NR CRISP 1Z01DK29029-06
 TI New Solid State Nmr Methodology For Structural Studies o
 SF Principal Investigator: TYCKO, ROBERT
 CSS supported By: NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY
 DISEASES
 FYR 2002

FS National Institutes of Health

L4 ANSWER 36 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN

AN 10380918 IFIPAT;IFIUDB;IFICDB

TI COMPOUNDS, COMPOSITIONS AND METHODS FOR MODULATING ***BETA*** -
AMYLOID PRODUCTION

IN Connop Bruce P (CA); Grant Amelia (CA); Nathwani Parimal S (CA)

PA Active Pass Pharmaceuticals Inc CA

PI US 2003125338 A1 20030703

AI US 2002-170224 20020612

PRAI US 2001-297845P 20010612 (Provisional)

US 2001-309257P 20010731 (Provisional)

FI US 2003125338 20030703

DT Utility; Patent Application - First Publication

FS CHEMICAL
APPLICATION

CLMN 48

GI 8 Figure(s).

FIG. 1 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on production and/or release of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 10-500 mu M pirinixic acid. After 16 hr, the culture media was harvested and assayed for extracellular levels of A beta-40 and A beta-42 by ELISA. Extracellular A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=3-13 and statistical significance determined by ANOVA with Tukey's post hoc test at ***p less-than 0.001. Double hatched bars indicate A beta-40 levels and hatched bars indicate A beta-42 levels.

FIG. 2 is a bar graph showing the effect of Clofibrate on levels of extracellular levels of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 10-500 mu M Clofibrate. After 16 hrs, the culture media was harvested and assayed for extracellular A beta-40 and A beta-42 by ELISA. Secreted A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=5 and statistical significance determined by ANOVA with Tukey's post hoc test at ***p less-than 0.001. Double hatched bars represent A beta-40 levels as a percent of vehicle, hatched bars represent A beta-42 levels as a percent of vehicle.

FIG. 3 is a bar graph showing the effect of ETYA on levels of extracellular levels of A beta-40 and A beta-42 from SM-4 cells. Cells were treated with 5-100 mu M ETYA. After 16 hrs, the culture media was harvested and assayed for extracellular A beta-40 and A beta-42 by ELISA. Secreted A beta was standardized to propidium iodide fluorescence as a measure of total cell number. Data are expressed as mean+SD with n=5 and statistical significance determined by ANOVA with Tukey's post hoc test at *p less-than 0.05 and **p less-than 0.01. Double hatched bars represent A beta-40 levels as a percent of vehicle, and hatched bars represent A beta-42 levels as a percent of vehicle.

FIG. 4 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on cellular APP levels from SM-4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and cellular APP was quantitated by Western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at *p less-than 0.05 and **p less-than 0.01.

FIG. 5 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on APPs alpha release from SM4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and APPs alpha release was quantitated by Western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at **p less-than 0.01.

FIG. 6 is a representative micrograph (upper panel) and a bar graph (lower panel) showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on C99 levels from SM-4 cells. Cells were treated with 50-500 mu M pirinixic acid for 16 hours and C99 was quantitated by Western blot analysis. Data are expressed as mean+SD with n=4 and statistical significance determined by ANOVA with Tukey's post hoc test at **p less-than 0.01.

FIG. 7 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on secreted A beta-40 and A beta-42 from
****human**** neuroblastoma cells. Cells were treated with 100-200 mu M of pirinixic acid after transient transfection with Swedish mutant APP. After a 16-hour treatment, the culture media was harvested and assayed for A beta-40 and A beta-42 by ELISA.

fluorescence as a measure of total cell number. Data are expressed as mean \pm SD with n=11 and statistical significance determined by ANOVA with Tukey's post hoc test at ***p less than 0.001.

FIG. 8 is a bar graph showing the effect of PPAR alpha and/or PPAR delta agonist pirinixic acid on A beta total and A beta42 from murine primary cortical neurons infected with APP 695. Cells were treated with 5-250 μ M pirinixic acid for 16 hours and A beta total and A beta-42 levels were quantitated by immunoprecipitation and ELISA, respectively. Data are expressed as mean \pm SD with n=6 and statistical significance determined by ANOVA with Tukey's post hoc test at **p less than 0.01, ***p less than 0.001.

L4 ANSWER 37 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10347569 IFIPAT;IFIUDB;IFICDB
TI EPITOPE-TAGGED ****BETA**** - ****AMYLOID**** PRECURSOR PROTEIN AND
METHODS FOR MONITORING CELLULAR PROCESSING THEREOF
IN Mitchell Thomas J; Seiffert Dietmar A
PA Unassigned Or Assigned To Individual (68000)
PI US 2003091983 A1 20030515
AI US 2002-326049 20021220
RLI US 2000-481980 20000112 DIVISION 6518011
PRAI US 1999-115749P 19990113 (Provisional)
FI US 2003091983 20030515
US 6518011
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 18
GI 12 Figure(s).

FIG. 1 Shows a possible location of an epitope tag in the A-beta sequence of the beta-APP and predicted accumulation of epitope tagged cleavage fragments. The A-beta fragment (1-42), with the proposed proteolytic cleavage sites for secretases (alpha-, beta-, gamma 1 (40)-, and gamma 2 (42)), is indicated. The epitope tag in this example is centered on the alpha secretase site (amino acids 16 to 17 in A-beta). Cleavage by beta and gamma secretases is expected to lead to an accumulation of epitope tagged A-beta (1-40) and A-beta (1-42) in the conditioned medium, whereas cleavage by alpha secretase (within the epitope tag) is expected to destroy or reduce the accumulation of epitope tagged A-beta fragments in the conditioned medium.

FIG. 2 Shows an immunoblot analysis of HEK 293 (****human*** embryonic kidney cell line, ATTC #CRL-1573) cell lysates after transfection with epitope-tagged beta-APP. Cell lysates were prepared by lysis of HEK 293 cells into SDS and were fractionated by SDS-PAGE, followed by transfer to nitrocellulose membranes. The membranes were developed with mAB 22C11 (epitope in the ****N**** - ****terminus**** of full-length beta-APP; lanes 1 and 2), mAB anti HA 11 (influenza hemagglutinin epitope: YPYDVPDYA)(SEQ ID NO:6) (directed to the HA 11 epitope tag; lanes 3 and 4), and mAB 9E10 (directed to the myc epitope tag; lanes 5 and 6). Lane 1, HEK 293 cells transfected with HA 11 beta-APP 695; lane 2, HEK 293 cells transfected with vector alone ('Mock-transfection'); lane 3, HEK 293 cells transfected with HA 11 beta-APP 695; lane 4, HEK 293 cells transfected with vector alone; lane 5, HEK 293 cells transfected with myc betaAPP 695; lane 6, HEK 293 cells transfected with vector alone. The relative mobility of molecular weight standards is indicated to the left.

FIG. 3 Shows an accumulation of beta-APP fragments into HEK 293 conditioned medium. The 24 hour serum-free conditioned medium (lanes 1 and 2) or cell lysates (lanes 3 and 4) of HEK 293 cells transfected with vector alone (lanes 1 and 3) or HA 11 beta-APP 695 (lanes 2 and 4) were harvested. The resulting polypeptides were fractionated by SDS-PAGE (10% acrylamide in separating gel) and transferred to nitrocellulose membranes. Panel A was developed with mAB anti-HA 11, whereas panel B was developed with mAB 22C11. The relative mobility of molecular weight standards is indicated to the right.

FIG. 4 Shows the detection of epitope-tagged beta-APP fragments in HEK 293 conditioned medium after transfection with HA 11 beta-APP 695.

Panel A: Microtiter wells were coated with mAB anti-HA 11 and after blocking, incubated with a dose-response of a synthetic HA 11 A-beta (1-40) peptide containing the HA 11 epitope centered on the alpha secretase cleavage site. Bound A-beta HA 11 was detected with polyclonal ****antibodies**** specific for position 1 (Serotec) or position 40 (QCB), followed by HRPlabeled anti-rabbit IgG and TMB substrate. The change of absorbance at 650 nm was monitored and results are corrected for binding of secondary ****antibodies**** to wells not incubated with the A-beta HA 11 peptide.

Panel B: Microtiter wells were coated as in panel A and incubated with the indicated dilutions of HEK 293/HA 11 betaAPP 695 conditioned medium (24 hours). Bound HA 11 beta-APP 695 fragments were detected with ***antibodies*** specific for position 1 and 40 as in panel A. Results are expressed and corrected as in panel A.

FIG. 5 Shows a time-course of the accumulation of HA 11 A-beta (1-40) and A-beta (1-42) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 was cultured in serum-free medium containing 0.2% bovine serum albumin in 96well microtiter plates for the indicated time intervals. The accumulation of HA 11 A-beta (1-40) and A-beta (1-42) was determined. For HA 11 A-beta polypeptides ending at position 40, microtiter wells were coated with mAB anti-HA 11 and bound polypeptides were detected with rabbit anti-A-beta 40 (QCB), followed by HRP-labeled anti-rabbit IgG. For the position 42specific ELISA, microtiter wells were coated with mAB anti-HA 11, and bound polypeptides were detected with biotin-labeled mAB 108 (position 42-specific), followed by streptavidin-HRP conjugate. Results are corrected for binding of secondary ***antibodies*** in the absence of conditioned medium and expressed as change of absorbance at 650 nm per minute (MOD/minute).

FIG. 6 Shows the effect of MDL 28170 and Brefeldin A on the accumulation of HA 11 A-beta (1-40) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 cells were plated at confluence in 96-well plates and the indicated doseresponse of either MDL 28170 (panel A), or Brefeldin A (panel B) was added for 16 hours. The accumulation of HA 11 A-beta (1-40) (position 40-specific ***antibody*** ; QCB) was determined as in FIG. 5. Results are expressed as percentage inhibition of HA 11 Abeta (1-40) accumulation in comparison to wells incubated with vehicle (dimethyl sulfoxide, DMSO) alone.

FIG. 7 Shows an isolation of HA 11 A-beta from HEK 293/HA 11 beta-APP 695 cells. Conditioned medium (serum-free containing 0.2% BSA) was passed over an mAB anti-HA 11 affinity matrix. After washing, the column was eluted with 5% formic acid in water. The peak fractions were pooled, dried in a Speed-Vac, resuspended in water and the pH was adjusted to 7.4 with Tris.

Panel A: The starting material, flow-through, and the pooled elution fractions (after dilution to account for the concentration of the HA 11 A-beta on the column) were analyzed by ELISA specific for position 40 in HA 11 A-beta as in FIGS. 4 and 5.

Panel B: The indicated dilutions of the pooled elution fractions were analyzed by ELISA specific for position 1, 40, and 42 in HA 11 A-beta. Note that approximately equal immunoreactivity is present for the position 1 and 40 ***antibodies***, whereas the 42specific reactivity is lost with 10-fold lesser dilution.

Panel C: The elution fractions were analyzed by SDS PAGE (16.5% polyacrylamide in separating gel), followed by immunoblotting with mAB anti-HA 11, followed by HRP-labeled anti-mouse Ig, and chemiluminescence detection (ECL tm, Amersham). Lane 1, elution fraction, stained with mAB anti-HA 11; lane 2, elution fraction spiked with HA 11 A-beta peptide (50 ng); lane 3, purified A-beta HA 11 1-40 peptide; and lane 4, elution fraction, stained under omission of anti-HA 11.

L4 ANSWER 38 OF 391 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10143206 IFIPAT;IFIUDB;IFICDB
TI RECOMBINANT ***ANTIBODIES*** SPECIFIC FOR ***BETA*** -
AMYLOID ENDS, DNA ENCODING AND METHODS OF USE THEREOF; DNA
ENCODING A RECOMBINANT ***ANTIBODY*** MOLECULE END-SPECIFIC FOR AN
AMYLOID-BETA PEPTIDE FOR PREVENTING OR INHIBITING PROGRESSION OF
ALZHEIMER'S DISEASE
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PA Mindset Biopharmaceuticals USA
PI US 2002086847 A1 20020704
AI US 2001-975932 20011015
RLI US 1999-402820 19991012 DIVISION PENDING
WO 1998-US6900 19980409 Section 371 PCT Filing UNKNOWN
PRAI US 1997-41850P 19970409 (Provisional)
FI US 2002086847 20020704
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 30
GI 5 Figure(s).

FIG. 1 shows a schematic representation of the ***beta*** -
amyloid precursor protein (beta APP) and the products of alpha,
beta, and gamma-secretase cleavage. The general locations of various
domains are indicated along with the cleavage sites.

expression and secretion of ectopic A beta-end-specific
 antibodies in the CNS inhibits (1) the accumulation of A beta
 peptides and (2) the neurotoxic consequences of amyloid deposition
 without affecting the biological functions of the soluble ***beta*** -
 amyloid precursor protein.

FIG. 2 shows the amino acid sequence (SEQ ID NO:1) of the region in beta
 APP from which ***beta*** - ***amyloid*** peptides (A beta) are
 derived. The arrows indicate the alpha-, beta- or gammasecretase cleavage
 sites, and the amino acid residues corresponding to the synthetic
 peptides to be used as immunogens are indicated underneath the sequence
 by line segments.

FIGS. 3A-3D schematically show the structure of a whole ***antibody***
 (FIG. 3A) with the variable domain of heavy (VH) and light (VL) chains
 and the constant domain(s) of light (CL) and heavy (CH1, CH2, CH3)
 chains, a Fab fragment (FIG. 3B), a Fv fragment (FIG. 3C), and a single
 chain Fv fragment (scFv) (FIG. 3D). The Fab fragment shown in FIG. 3B
 consists of a variable domain of heavy VH and light VL chain and the
 first constant domain (CH1 and CL) joined by a disulfide bridge. The Fv
 fragment shown in FIG. 3C represents the antigen binding portion of an
 antibody formed by a non-covalently linked variable region
 complex (VHVL), whereas the single chain Fv shown in FIG. 3D joins the
 variable heavy VH with the variable light VL chain via a peptide linker.

FIG. 4 schematically shows the construction of a scFv ***antibody***
 by cloning the variable region of an end-specific anti-A beta monoclonal
 antibody using the PCR amplification technique with primers A, B,
 C and D, and then joining together the variable heavy VL chain and the
 variable light VL chain with an interchain peptide linker (ICL). The
 shaded area represents hypervariable regions of the antigen binding site
 and LP designates the leader peptide of the heavy and light chains.

FIG. 5 shows a schematic representation of the AAV ScFv alpha A beta
 vector with the inverted terminal repeats (ITR), ***human*** beta APP
 promoter (Hu beta APPP), SV40 polyadenylation signal (SV40pA) indicated.
 The plasmid backbone is pSSV9.

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FIG. 1 displays the chemical structure of NTox, a neurotoxin released by
 microglia and macrophages after exposure to senile plaques in vitro or in
 vivo. Chemical and enzymatic modifications of the isolated toxin have
 identified within NTox a phenolic hydroxyl group sensitive to tyrosinase,
 a ring structure sensitive to reduction by rhodium, and a terminal amine
 sensitive to fluorescamine (fluram) or plasma amine oxidase (PAO).

FIGS. 2A and B display steps in the isolation of NTox from frozen
 Alzheimer brain gray matter that involved extractions into ethyl acetate,
 acid hydrolysis and sequential gradient reverse phase high performance
 liquid chromatography (RP-HPLC). FIG. 2A shows the final step of
 purification by RP-HPLC, using a C18 column and an acetonitrile gradient,
 shows a peak with elution at about 14% acetonitrile. Importantly, this
 peak is found in Alzheimer but not in control brain and corresponds to
 activity which is highly toxic to ciliary neurons. FIG. 2B displays the
 degree of purification of neurotoxin from Alzheimer brain tissue. Dose
 response curves show that the ED50= 10 mu M in the ultrafiltrate compared
 with 100 pM for highly purified toxin following acid hydrolysis and C18
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 fold purification of toxin from ***human*** brain. The phenolic
 content is estimated by UVmax at 265 nm with a similar result obtained
 when values are normalized to amine content measured by fluorescamine.

FIG. 3 shows the correlation between microglial clusters found in
 Alzheimer brain and levels of extracted neurotoxins. NTox was isolated
 from tissue blocks by aqueous extraction and 2step ion exchange
 chromatography (DOWEX and SP SEPHADEX) while neighboring sections of

number of clusters per mm² in 50 random field. Spearman rank correlation was highly significant (n=71 tissue regions from 6 brains; rs less-than 0.0005) suggesting that significant amounts of NTox are found in Alzheimer brain within brain structures laden with reactive microglia. FIGS. 4A and B sets forth the results of neurotoxin infused directly into rat brain kills neurons in vivo. Nissl stained rat hippocampus (CA3 region) 5 days after stereotaxic injection of neurotoxin. Dead and dying, pyknotic neurons are readily apparent as darkly stained, shrunken profiles in the side injected with a neurotoxin recovered from Alzheimer brain (FIG. 4B; Bar=40 micron), compared to the contralateral hippocampus injected with an identical non-toxic fraction from age matched normal brain (FIG. 4A). The inventor estimates about 100 pmoles of purified neurotoxin were contained in the 1.0 μ l fluid volume injected into the hippocampus.

FIG. 5 shows the specificity of A beta 1-42 to macrophages is seen by comparison with incubating either macrophages or kidney cells with microspheres coupled to A beta 1-42 for 4 hours at 37 degrees C. in the presence of increasing amounts of A beta 10-16 mixed with the culture media. As shown, competition occurs with the macrophages in a dose dependent manner while no changes in binding are seen for kidney cells. These and similar data indicate a specificity for A beta binding to in microglia, macrophages, and other classes of microglia-like cells.

FIGS. 6A and B shows twenty four hour exposure of ****human*** embryonic kidney (HEK) cells to 1 nM of NTox resulted in significant cell death as measured by trypan blue staining but only in those cells expressing heteromeric NMDA receptors. FIG. 6A) Photomicrograph of trypan blue(+) control HEK cells exposed to NTox. Few blue, dead cells are noted. FIG. 6B shows HEK cells expressing NMDA1b/2A were also exposed to NTox for 24 hours. As seen, far larger number of dying cells appear. This NTox killing effect was found in heteromeric expression (R1/R2) and could be blocked by MK-801.

FIGS. 7A, B, and C show SpheresA beta 1-42 in vivo. Weeks after implantation of large microspheres (250 micron diameter) remain embedded within brain neocortex (FIG. 7A). FIG. 7B shows an implanted SphereBSA with very few scavenger receptor(+) microglia abutting the control microsphere. In contrast, SpheresA beta 1-42 chronically stimulate the presence of reactive cells (FIG. 7C). Microglia were visualized by uptake of fluorescent labeled acetylated LDL, DiI-ac-LDL Bar=40 μ m, FIG. 7A; 25 μ m FIGS. 7B and C.

FIGS. 8A and B shows scavenger receptor II mRNA in tissue surrounding sphere implants. FIG. 8A reveals that at two weeks after implantation, there is a 5-fold increase in receptor mRNA surrounding the SphereA beta 1-42 when compared to undamaged control tissue or SphereBSA. FIG. 8B, in contrast, reveals that all sites had similar levels of the marker mRNA G3PDH. Data support histological changes.

FIGS. 9A, B, and C shows infusion of A beta 1-42 into the neocortex of adult rat produces an inflammatory response 5 days later at the site of injection as seen by the presence of reactive microglia and macrophages labeled with DiI-ac-LDL (0.5 nmoles injected. FIG. 9B reveals that co-infusion of 0.5 nmoles of A beta 1-42 plus 1.0 nmole of A beta 13-16 blocks the interaction of A beta 1-42 with microglia in vivo and reduces the local brain inflammatory response while co-infusion with 1.0 nmole A beta 1-5 did not alter inflammation (FIG. 9C, Bar= 30 microns).

FIG. 10 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of immuno-suppressive drugs (0.1 to 10 μ M) showed that only chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs with therapeutic potential for Alzheimer Disease.

FIG. 11 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of signal transduction inhibitors (0.01 to 100 μ M) showed that only compounds that block the tyrosine kinases (damacanthal and genistein) chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs which serve as lead compounds for development of therapeutics for Alzheimer Disease.

FIG. 12 shows a comparison of NTox with other brain-derived compounds which contain a phenolic and terminal amine group. Tyramine appears to significant structural similarity with NTox. Tyramine, however, has no known neurotoxic or neuroprotective properties.

FIG. 13 reveals neuroprotective effects of NTox-like compounds. Test conditions include microglia stimulated with A beta 1-42, isolated NTox applied to neurons directly, or neurons mixed with 100 μ M of the toxin

acid which points to existence of families of molecules which could prevent microglia-mediated neuron injury.

FIGS. 14A-D displays neurotoxic microglia activated by betaamyloid peptide. FIG. 14A shows a fluorescence photomicrograph of neurons immuno-stained with anti-neurofilament and anti-MAP 2 ***antibodies*** found in control hippocampal cultures (1,200 cells per mm²) that were supplemented with microglia (500 per mm²). FIG. 14B shows a culture identical to FIG. 13A exposed to synthetic ***human*** A beta 1-42 (1 mu mole/l) for 72 hours resulting in a dramatic loss of neurons (Bar= 20 microns). FIG. 14C shows testing of various A beta peptides in a neurotoxicity assay using rat hippocampal cultures supplemented with microglia resulting in 70-80% killing of neurons after exposure for 72 hours to ***human*** A beta 1-40, A beta 1-42, or A beta 1-42 coupled to microspheres (Spheres A beta 1-42) while elimination of microglia from the cultures prevented neuron death. The pattern of neuron killing by synthetic peptides was similar to that elicited by either isolated AD plaques or native A beta purified from plaques. Interestingly, rodent A beta 1-40 (Arg5, Phe10, and Arg13) did not activate microglia. The A beta peptides containing either the ***N*** - ***terminus*** of the peptide (A beta 1-11, A beta 1-16, and A beta 1-28) or C-terminus (A beta 17-43) alone also were inactive. FIG. 14D shows the capacity of A beta 1-42 (1 mu mole/l) to activate microglia examined after modification of the N-terminal region by chemical or enzymatic methods. Altering residues in the 13 to 16 domain blocked the A beta 1-42 induction of neurotoxic microglia. Cyclohexanedione (CHD)-modification of Arg5; tetranitromethane (TNM) modification of Tyr10; diethylpyrocarbonate (DEPC) modification of His6, His13, His14 with hydroxylamine used to reverse the DEPC effect; transglutaminase (TNG) modification of Gln15; ethyl acetimidate (EAM)-modification of Lys16.

FIGS. 15A-D depicts inhibition of A beta binding to microglia. FIG. 15A shows A beta 1-42 coupled to fluorescent microspheres and the Spheres A beta 1-42 monitored for binding to microglia after 4 hours at 37 degrees C. in the presence of peptides (all at 10 mu moles/l). Only peptides containing residues 13-16 were able to competitively block sphere binding. FIG. 15B shows that enzymatic treatments of microglia altered A beta binding to cells. Spheresmal-BsA (which bind to scavenger receptors) or Spheres A beta 1-42 were incubated with microglia for 4 hours following pre-treatment of cells with trypsin (5000 units/ml at 37 degrees C. for 60 min followed by inactivation with soybean trypsin inhibitor), with heparinase (heparin lyase EC 4.2.2.7; two consecutive treatments each of 0.01 units/ml for 60 min), or with chondroitinase ABC (chondroitin ABC lyase EC 4.3.3.4; two consecutive treatments each of 0.02 units/ml for 60 min). Binding by either Spheres A beta 1-42 or Spheresmal-BSA to microglia were reduced by trypsin. Heparinase, however, only decreased Spheres A beta 1-42 while chondroitinase affected neither A beta or scavenger ligand binding sites. FIG. 15C shows that competition with ligands again suggest the involvement of a heparin sulfate-containing site on microglia with reduction of binding in the presence of heparin sulfate (50 mu g/ml) or A beta 1-16 (10 mu mole/l). In contrast, scavenger receptor binding of Spheresmal-BSA was blocked by known scavenger receptor ligands such as dextran sulfate (500 mu g/ml) or acetylated LDL (ac-LDL, 200 mu g/ml). FIG. 15D shows that plaque induction of neurotoxicity in microglia involves heparin sulfate-containing site. Microglia mixed with hippocampal neurons were treated with combinations of beta-D-xyloside (1 mM), heparinase (0.02 units/ml), or chondroitinase (0.04 units/ml) and then exposed to plaques. Enzyme treatments alone, particularly that of heparinase brought on some reduction in neurotoxic activity; however, a combination of both enzymatic degradation of heparin sulfate plus competitive blockade of glycosylation by beta-D-xyloside completely eliminated plaque activation.

FIGS. 16A-C displays neurotoxic microglia blocked by A beta peptides. FIG. 16A shows both A beta 1-42 (1 mu moles/l) in solution and or Spheres A beta 1-42 (250,000 per well) added to hippocampal cultures supplemented with microglia in the presence of various synthetic A beta peptides (all at 10 mu moles/l). Peptides containing residues 13 to 16 prevented A beta induction of neurotoxic microglia. FIG. 16B shows that dose curves show a greater blocking capacity for those peptides containing residues within the 1-16 hydrophilic portion of A beta . Addition of more hydrophobic segments (beyond residue 16) diminish the ability of peptide to block A beta 1-42 interactions with microglia. FIG. 16C sets forth comparisons of various peptides confirm that the HHQK domain of A beta blocks plaque activation of neurotoxic microglia.

FIG. 17 sets forth a table of the effects of ***beta*** -
Amyloid peptides upon microglia. All peptides which contain the
unmodified region encompassing residues 13-16

microglial neurotoxicity, and the ability of AD plaques to induce microglial neurotoxicity. NA= not applied in this neurotoxicity test, since the free peptide induces microglial toxicity.

FIGS. 18A-G show selective elimination of microglia from mixed hippocampal cultures. Control cultures (FIGS. 18A, 18C, 18E) show complex neuronal networks revealed by MAP-2/neurofilament immunostaining (FIG. 18A), the presence of DiI-ac-LDL(+) microglia (FIG. 18B), and near confluent feeder layer of GFAP(+) astrocytes (FIG. 18C). After treatment of cultures with saporin coupled to acetylated LDL (FIGS. 18B, 18D, 18F), there was an elimination of microglia (FIG. 18D) without effect on survival of either neurons (FIG. 18B) or astroglia (FIG. 18F). Bar= 25 μ m. FIG. 18G shows counts of specific cell populations with and without Sap-ac-LDL treatment confirm the specific depletion of microglia. Data are expressed as mean values \pm standard error obtained from 9 randomly selected fields from at least 5 independent cultures viewed at 200 x magnification.

FIGS. 19A-D displays constituents of solubilized native senile plaques elicit neuron killing. FIG. 19A shows neuritic/core or diffuse plaques were isolated from cortical gray matter, solubilized in formic acid, and dialyzed against a betaine buffer. Equal amounts of plaque protein (normalized to total amine content at 400 μ moles/l) were added to neuronal cultures in the presence (100,000 cells per culture) or absence of rat microglia. As shown, solubilized neuritic/core plaque proteins (Neuritic/Core Plaque) lead to significant killing of neurons, but only in the presence of microglia. Neither solubilized diffuse plaque proteins (Diffuse Plaque) nor the betaine buffer (Buffer Control) elicited neurotoxic activity. FIG. 19B shows size-exclusion chromatography of neuritic/core plaque proteins using two Superose 12 columns in tandem (300 mm x 10 mm x 2; beads 10 μ m diameter). The chromatogram was developed with 80% glass distilled formic acid at a flow rate of 0.3 ml per minute and monitored at 280 nm. The approximate molecular masses of the fractions were: S1, 200 kDa; S2, 45 kDa; S3, 15 kDa; S4, 10 kDa; and S5, 5 kDa. FIG. 19C shows a histogram in which exposure to peaks S3, S4, and S5 all elicited significant increases in the percent of reactive microglia as defined by morphologic criteria, whereas peaks S1 and S2 do not. FIG. 19D shows fractions of solubilized neuritic/ core plaques applied to hippocampal cultures in the presence or absence of microglia. No neuron killing was detected in cultures free of microglia. Neuron loss appeared, however, in microglia containing cultures exposed to peaks S3, S4, and S5, all which contain A β .

FIGS. 20A-E displays soluble fractions of native plaques induce microglial reactivity. Bright field photomicrographs of rat microglia cultures exposed to peak S1 (FIG. 20A) or peak S5 (FIG. 20B) and immuno-stained for the presence of A β . As shown, aggregates of A β are found throughout the cultures incubated with peak S5 (Bar= 25 microns). Phase photomicrographs show cultured microglia as process bearing cells with spinous surfaces typical of non-reactive cells despite exposure to peak S4 (FIG. 20C). In contrast, microglia exposed to peak S5 retract processes and take on a reactive cell morphology similar to that found in AD brain (FIG. 20D; Bar= 5 microns).

FIGS. 21A-D displays toxic actions of synthetic A β peptides upon neurons. FIG. 21A and 21B shows high concentrations of most A β peptides placed in hippocampal cultures containing neurons and astroglia (but depleted of microglia) show little effect. There is, however, a generalized cytotoxic action by A β 25-35 at greater-than 30 μ moles/l on both neurons (FIG. 21A) and astroglia (FIG. 21B). In the absence of microglia, none of the A β peptides (at 1 μ mole/l) produce destruction of neurons. When rat microglia are added to neuronal cultures, however, only A β 1-40 and A β 1-42 elicit neuron killing (FIG. 21C). As shown in FIG. 21D, addition of increasing numbers of microglia show a saturated neuron killing response at a density of 150 microglia per mm^2 when incubated with 1 μ mole/liter A β 1-42; microglia found within the E18 culture at the time of plating (endogenous microglia) also showed an efficient killing capacity in the presence of A β . These observations point to the need to deplete neuron cultures of microglia when assessing mechanisms of A β toxicity. Dose response curves reveal A β 1-42 to be the most potent microglial stimulus with an estimated ED50 of 10 nmoles/l compared to 80 nmoles/l for A β 1-40 (500 microglia per mm^2 ; FIG. 21E).

FIGS. 22A-F depicts cellular responses upon exposure to synthetic A β peptides. Phase microscopy shows that cultured rat microglia undergo morphological changes with retraction of processes when exposed to 1 μ mole/l A β 1-42 (FIG. 22E); in contrast, 1 μ mole/l A β 17-43 (FIG. 22C) does not alter microglial morphology which appear identical to untreated cells grown under control conditions (FIG. 22A). Fluorescence

conditioned media (10% vol/vol) from microglia incubated with 1 μ mole/l A beta 17-43 (FIG. 22D). Significant neuron loss occurred, however, if hippocampal cultures were exposed to conditioned media from microglia incubated with 1 μ mole/l A beta 1-42 (FIG. 22F). Bar= 25 microns.

FIGS. 23A-E displays A beta activation of microglia after coupling to microspheres. Fluorescently labeled microspheres were covalently coupled to A beta 1-42 and placed in hippocampal cultures containing rat microglia (500 cells per mm^2). After 72 hours, A beta 1-42-spheres (FIG. 23A) were localized specifically within DiI-ac-LDL(+) microglia (FIG. 23B, co-localization noted by arrows). In contrast, A beta 17-43-microspheres (FIG. 23C) showed no consistent association with microglia (FIG. 23D; Bar= 20 micron). FIG. 23E) Comparison of capacity of A beta in solution or coupled to microspheres (beadbound) to elicit neurotoxic microglia (250,000 microspheres per culture; 100,000 microglia per culture; 72 hour incubation). Neuronal loss was similar if A beta peptides were in solution or bound to beads, indicating that fibril formation, or other changes in tertiary structure, were not necessary to stimulate neurotoxic microglia.

FIGS. 24A-H depicts fluorescent photomicrographs of hippocampal cultures after exposure to A beta 1-42. FIG. 24A shows control cultures show complex networks of NF(+), MAP-2(+) neurons. FIG. 24B shows exposure of cultures to 100 μ moles/liter A beta 142 in the absence of microglia has no effect on neuron number, while (FIG. 24C) addition of 100 nmoles/liter A beta 1-42 in the presence of rat microglia (500 cells per mm^2) destroyed nearly all neurons. FIGS. 24D-G shows immunostaining for neuron-specific enolase (NSE) is not specific to neurons in CNS cultures as shown by immunofluorescent visualization of glia in cultures of neuron-free optic nerve, including galactocerebroside(+) oligodendroglia (FIG. 24D) and GFAP(+) astrocytes (FIG. 24F) which are both NSE(+) (FIG. 24E and 24G, respectively). Bar= 10 μ m. In FIG. 24H, ciliary neuron cultures showed that A beta 1-42 is not toxic to neurons in the absence of brain glia (A beta 1-42 only) after 48 hour exposure. Conditioned media from A beta 1-42-stimulated microglia (Microglia+ A beta 1-42) did, however, kill neurons, indicating that astrocytes are not necessary to the microglial neurotoxicity.

FIGS. 25A-E displays ***human*** microglia and neuron killing. FIG. 25A shows only A beta-containing fractions from solubilized neuritic/core plaques (peaks S3 (54 nmole/l), S4 (220 μ mole/l), and S5 (250 μ mole/l)) elicit ***human*** microglia to engage in neurotoxic behaviors. FIG. 25B shows that when tested at 1 μ mole/liter concentrations, synthetic A beta 1-40 and A beta 142 also stimulated release of neurotoxin from ***human*** microglia, while smaller AP fragments had no effect. Despite neuron killing, there is no evidence of increased production of nitrate or nitrite by ***human*** cells stimulated with either native (FIG. 25C) or synthetic (FIG. 25D) AD. FIG. 25E shows that neuron killing could be induced by ***human*** or rat microglia exposed to 1 μ mole/liter of the ***human*** forms of either A beta 1-42 or A beta 1-40. The rodent form of A beta 1-40, however, was inactive, as were fragments of ***human*** A beta, including 128, 12-28, and 17-43.

FIGS. 26A-C displays drug blockade of A beta induced neuron killing by rat and ***human*** microglia. To investigate mechanisms of cell killing, rat microglia were stimulated with 1 μ mole/l A beta 1-42 (Rat/A beta 1-42) and ***human*** cells with fraction S5 (containing 250 μ mole/l of native A beta 1-42) from solubilized neuritic/core plaques (***Human*** /S5 Peak). FIG. 26A shows agents that act as free radical scavengers (vitamin E, 100 μ M; catalase, 25 units/ml; glutathione, 100 μ M) did not block microglial killing of neurons. No protective effects were observed with the nitric oxide synthetase inhibitors L-N-5-(1imin-oethyl)ornithine hydrochloride (L-NIO, 10 μ M) or diphenyl iodonium (DPI, 300 nM), although the NMDA antagonist AP5 prevented neuron death. FIG. 26B shows other NMDA antagonists acting at the receptor site (A beta 7), at the polyamine regulatory site (ifenprodil), or at the ion channel (MK801) all blocked neuron death, while the non-NMDA glutamate antagonists (GAMS, BNQX) did not. All drugs were applied at 10 μ M. FIG. 26C shows isolation of neurotoxin from culture media conditioned by A beta-stimulated rat microglia (A beta 1-42/ Microglia) or from frozen AD gray matter (AD Brain) involved extractions in ethyl acetate (pH 10.5), acid hydrolysis, and sequential gradient RP-HPLC (C18 column using a 0 to 20% acetonitrile gradient in dH_2O with 0.1% trifluoroacetic acid). Neurotoxin activities from microglial conditioned media copurifies with that from AD brain tissue with a co-elution using RP-HPLC at about 14% acetonitrile. Neurotoxicity was not found within control brain extracts or from unstimulated microglial culture media.

Sepharose bead coupled to ***human*** A beta 1-42 peptides. FIG. 27B shows a fluorescence photomicrograph of the same bead showing adherent cell labeled by the fluorescent microglial marker DiI-ac-LDL; Bar= 20 microns. FIG. 27C shows rat microglial adherence to Sepharose-coupled beads after six hours. Plaque proteins derived from neuritic/core plaques provided an anchoring site for microglia, as did A beta 1-42.

Importantly, A beta 1-28 also promoted bead binding, while A beta 17-43 did not. Controls included beads coupled to glycine (Control glycine) and to bovine serum albumin (Control-BSA). Data shown are expressed as the numbers of adhering cells per 100 randomly selected beads +/-standard error after 6 hour incubation at 37 degrees C.

FIGS. 28A-G displays that the A beta cell binding domain is required for activation of neurotoxic microglia. Fluorescent photomicrographs showing microsphere binding to enriched cultures of rat microglia (500/mm²) after 4 hour incubation at 37 degrees C. Coupling of A beta peptides to fluorescent microspheres showed that A beta 1-42 (FIG. 28A), A beta 12-28 (FIG. 28D), and A beta 10-16 (FIG. 28E) readily bind, while peptides A beta 17-43 (FIG. 28B), A beta 1-11 (FIG. 28C), and A beta 1-5 (FIG. 28F) did not. Quantitations of binding pattern (FIG. 28G) indicated that regions of the ***N*** - ***terminus*** -containing amino acid residues 10-16 were necessary for A beta binding to microglia. Data are expressed as mean values +/-standard error when viewed at 200 x magnification.

FIG. 29 displays the comparison of A beta effects upon microglia. FIG. 29A shows dose response curves in which although A beta 10-16 is able to bind to microglia, it did not elicit neurotoxic microglia. The addition of this microglial binding domain to A beta 17-42 (which neither binds to microglia nor elicits toxicity) created a peptide, A beta 10-42, which both bound to microglia and stimulated microglia to kill neurons. FIG. 29B shows a diagram comparing the structures and functions of synthetic peptides. The shaded area illustrates the Nterminal portion of A beta that differs between ***human*** and rat forms and which appears necessary for microglial adherence. !

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FIGS. 2A and B display steps in the isolation of NTox from frozen Alzheimer brain gray matter that involved extractions into ethyl acetate, acid hydrolysis and sequential gradient reverse phase high performance liquid chromatography (RP-HPLC). FIG. 2A shows the final step of purification by RP-HPLC, using a C18 column and an acetonitrile gradient, shows a peak with elution at about 14% acetonitrile. Importantly, this peak is found in Alzheimer but not in control brain and corresponds to activity which is highly toxic to ciliary neurons. FIG. 2B displays the degree of purification of neurotoxin from Alzheimer brain tissue. Dose response curves show that the ED50=10 mu M in the ultrafiltrate compared with 100 pM for highly purified toxin following acid hydrolysis and C18 RP-HPLC. From such preparations, estimations of greater-than 100,000 fold purification of toxin from ***human*** brain. The phenolic content is estimated by UVmax at 265 nm with a similar result obtained when values are normalized to amine content measured by fluorescamine.

FIG. 3 shows the correlation between microglial clusters found in Alzheimer brain and levels of extracted neurotoxins. NTox was isolated from tissue blocks by aqueous extraction and 2step ion exchange chromatography (DOWEX and SP SEPHAROSE). L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61 L62 L63 L64 L65 L66 L67 L68 L69 L70 L71 L72 L73 L74 L75 L76 L77 L78 L79 L80 L81 L82 L83 L84 L85 L86 L87 L88 L89 L90 L91 L92 L93 L94 L95 L96 L97 L98 L99 L100 L101 L102 L103 L104 L105 L106 L107 L108 L109 L110 L111 L112 L113 L114 L115 L116 L117 L118 L119 L120 L121 L122 L123 L124 L125 L126 L127 L128 L129 L130 L131 L132 L133 L134 L135 L136 L137 L138 L139 L140 L141 L142 L143 L144 L145 L146 L147 L148 L149 L150 L151 L152 L153 L154 L155 L156 L157 L158 L159 L160 L161 L162 L163 L164 L165 L166 L167 L168 L169 L170 L171 L172 L173 L174 L175 L176 L177 L178 L179 L180 L181 L182 L183 L184 L185 L186 L187 L188 L189 L190 L191 L192 L193 L194 L195 L196 L197 L198 L199 L200 L201 L202 L203 L204 L205 L206 L207 L208 L209 L210 L211 L212 L213 L214 L215 L216 L217 L218 L219 L220 L221 L222 L223 L224 L225 L226 L227 L228 L229 L230 L231 L232 L233 L234 L235 L236 L237 L238 L239 L240 L241 L242 L243 L244 L245 L246 L247 L248 L249 L250 L251 L252 L253 L254 L255 L256 L257 L258 L259 L260 L261 L262 L263 L264 L265 L266 L267 L268 L269 L270 L271 L272 L273 L274 L275 L276 L277 L278 L279 L280 L281 L282 L283 L284 L285 L286 L287 L288 L289 L290 L291 L292 L293 L294 L295 L296 L297 L298 L299 L300 L301 L302 L303 L304 L305 L306 L307 L308 L309 L310 L311 L312 L313 L314 L315 L316 L317 L318 L319 L320 L321 L322 L323 L324 L325 L326 L327 L328 L329 L330 L331 L332 L333 L334 L335 L336 L337 L338 L339 L340 L341 L342 L343 L344 L345 L346 L347 L348 L349 L350 L351 L352 L353 L354 L355 L356 L357 L358 L359 L360 L361 L362 L363 L364 L365 L366 L367 L368 L369 L370 L371 L372 L373 L374 L375 L376 L377 L378 L379 L380 L381 L382 L383 L384 L385 L386 L387 L388 L389 L390 L391 L392 L393 L394 L395 L396 L397 L398 L399 L400 L401 L402 L403 L404 L405 L406 L407 L408 L409 L410 L411 L412 L413 L414 L415 L416 L417 L418 L419 L420 L421 L422 L423 L424 L425 L426 L427 L428 L429 L430 L431 L432 L433 L434 L435 L436 L437 L438 L439 L440 L441 L442 L443 L444 L445 L446 L447 L448 L449 L450 L451 L452 L453 L454 L455 L456 L457 L458 L459 L460 L461 L462 L463 L464 L465 L466 L467 L468 L469 L470 L471 L472 L473 L474 L475 L476 L477 L478 L479 L480 L481 L482 L483 L484 L485 L486 L487 L488 L489 L490 L491 L492 L493 L494 L495 L496 L497 L498 L499 L500 L501 L502 L503 L504 L505 L506 L507 L508 L509 L510 L511 L512 L513 L514 L515 L516 L517 L518 L519 L520 L521 L522 L523 L524 L525 L526 L527 L528 L529 L530 L531 L532 L533 L534 L535 L536 L537 L538 L539 L540 L541 L542 L543 L544 L545 L546 L547 L548 L549 L550 L551 L552 L553 L554 L555 L556 L557 L558 L559 L560 L561 L562 L563 L564 L565 L566 L567 L568 L569 L570 L571 L572 L573 L574 L575 L576 L577 L578 L579 L580 L581 L582 L583 L584 L585 L586 L587 L588 L589 L590 L591 L592 L593 L594 L595 L596 L597 L598 L599 L600 L601 L602 L603 L604 L605 L606 L607 L608 L609 L610 L611 L612 L613 L614 L615 L616 L617 L618 L619 L620 L621 L622 L623 L624 L625 L626 L627 L628 L629 L630 L631 L632 L633 L634 L635 L636 L637 L638 L639 L640 L641 L642 L643 L644 L645 L646 L647 L648 L649 L650 L651 L652 L653 L654 L655 L656 L657 L658 L659 L660 L661 L662 L663 L664 L665 L666 L667 L668 L669 L670 L671 L672 L673 L674 L675 L676 L677 L678 L679 L680 L681 L682 L683 L684 L685 L686 L687 L688 L689 L690 L691 L692 L693 L694 L695 L696 L697 L698 L699 L700 L701 L702 L703 L704 L705 L706 L707 L708 L709 L710 L711 L712 L713 L714 L715 L716 L717 L718 L719 L720 L721 L722 L723 L724 L725 L726 L727 L728 L729 L730 L731 L732 L733 L734 L735 L736 L737 L738 L739 L740 L741 L742 L743 L744 L745 L746 L747 L748 L749 L750 L751 L752 L753 L754 L755 L756 L757 L758 L759 L760 L761 L762 L763 L764 L765 L766 L767 L768 L769 L770 L771 L772 L773 L774 L775 L776 L777 L778 L779 L780 L781 L782 L783 L784 L785 L786 L787 L788 L789 L790 L791 L792 L793 L794 L795 L796 L797 L798 L799 L800 L801 L802 L803 L804 L805 L806 L807 L808 L809 L810 L811 L812 L813 L814 L815 L816 L817 L818 L819 L820 L821 L822 L823 L824 L825 L826 L827 L828 L829 L830 L831 L832 L833 L834 L835 L836 L837 L838 L839 L840 L841 L842 L843 L844 L845 L846 L847 L848 L849 L850 L851 L852 L853 L854 L855 L856 L857 L858 L859 L860 L861 L862 L863 L864 L865 L866 L867 L868 L869 L870 L871 L872 L873 L874 L875 L876 L877 L878 L879 L880 L881 L882 L883 L884 L885 L886 L887 L888 L889 L890 L891 L892 L893 L894 L895 L896 L897 L898 L899 L900 L901 L902 L903 L904 L905 L906 L907 L908 L909 L910 L911 L912 L913 L914 L915 L916 L917 L918 L919 L920 L921 L922 L923 L924 L925 L926 L927 L928 L929 L930 L931 L932 L933 L934 L935 L936 L937 L938 L939 L940 L941 L942 L943 L944 L945 L946 L947 L948 L949 L950 L951 L952 L953 L954 L955 L956 L957 L958 L959 L960 L961 L962 L963 L964 L965 L966 L967 L968 L969 L970 L971 L972 L973 L974 L975 L976 L977 L978 L979 L980 L981 L982 L983 L984 L985 L986 L987 L988 L989 L990 L991 L992 L993 L994 L995 L996 L997 L998 L999 L1000

number of clusters per mm² in 50 random field. Spearman rank correlation was highly significant (n=71 tissue regions from 6 brains; rs less-than 0. 0005) suggesting that significant amounts of NTox are found in Alzheimer brain within brain structures laden with reactive microglia. FIGS. 4A and B sets forth the results of neurotoxin infused directly into rat brain kills neurons in vivo. Nissl stained rat hippocampus (CA3 region) 5 days after stereotaxic injection of neurotoxin. Dead and dying, pyknotic neurons are readily apparent as darkly stained, shrunken profiles in the side injected with a neurotoxin recovered from Alzheimer brain (FIG. 4B; Bar=40 micron), compared to the contralateral hippocampus injected with an identical non-toxic fraction from age matched normal brain (FIG. 4A). The inventor estimates about 100 pmoles of purified neurotoxin were contained in the 1.0 μ l fluid volume injected into the hippocampus.

FIG. 5 shows the specificity of A beta 1-42 to macrophages is seen by comparison with incubating either macrophages or kidney cells with microspheres coupled to A beta 1-42 for 4 hours at 37 degrees C. in the presence of increasing amounts of A beta 10-16 mixed with the culture media. As shown, competition occurs with the macrophages in a dose dependent manner while no changes in binding are seen for kidney cells. These and similar data indicate a specificity for A beta binding to in microglia, macrophages, and other classes of microglia-like cells.

FIGS. 6A and B shows twenty four hour exposure of ****human*** embryonic kidney (HEK) cells to 1 nM of NTox resulted in significant cell death as measured by trypan blue staining but only in those cells expressing heteromeric NMDA receptors. FIG. 6A) Photomicrograph of trypan blue(+) control HEK cells exposed to NTox. Few blue, dead cells are noted. FIG. 6B shows HEK cells expressing NMDA1b/2A were also exposed to NTox for 24 hours. As seen, far larger number of dying cells appear. This NTox killing effect was found in heteromeric expression (R1/R2) and could be blocked by MK-801.

FIGS. 7A, B, and C show SpheresA beta 1-42 in vivo. Weeks after implantation of large microspheres (250 micron diameter) remain embedded within brain neocortex (FIG. 7A). FIG. 7B shows an implanted SphereBSA with very few scavenger receptor(+) microglia abutting the control microsphere. In contrast, SpheresA beta 1-42 chronically stimulate the presence of reactive cells (FIG. 7C). Microglia were visualized by uptake of fluorescent labeled acetylated LDL, Dil-ac-LDL Bar=40 μ m, FIG. 7A; 25 μ m FIGS. 7B and C.

FIGS. 8A and B shows scavenger receptor II mRNA in tissue surrounding sphere implants. FIG. 8A reveals that at two weeks after implantation, there is a 5-fold increase in receptor mRNA surrounding the SphereA beta 1-42 when compared to undamaged control tissue or SphereBSA. FIG. 8B, in contrast, reveals that all sites had similar levels of the marker mRNA G3PDH. Data support histological changes.

FIGS. 9A, B, and C shows infusion of A beta 1-42 into the neocortex of adult rat produces an inflammatory response 5 days later at the site of injection as seen by the presence of reactive microglia and macrophages labeled with Dil-ac-LDL (0.5 nmoles injected. FIG. 9B reveals that co-infusion of 0.5 nmoles of A beta 1-42 plus 1.0 nmole of A beta 13-16 blocks the interaction of A beta 1-42 with microglia in vivo and reduces the local brain inflammatory response while co-infusion with 1. 0 nmole A beta 1-5 did not alter inflammation (FIG. 9C, Bar=30 microns).

FIG. 10 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of immuno-suppressive drugs (0.1 to 10 μ M) showed that only chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs with therapeutic potential for Alzheimer Disease.

FIG. 11 shows in vitro screening of drugs which inactivate microglia stimulated by A beta 1-42. Test concentrations of signal transduction inhibitors (0.01 to 100 μ M) showed that only compounds that block the tyrosine kinases (damacanthal and genistein) chloroquine had a protective effect and prevented appearance of neurotoxic microglia when mixed with A beta peptides. Such in vitro assays permit rapid screening of drugs which serve as lead compounds for development of therapeutics for Alzheimer Disease.

FIG. 12 shows a comparison of NTox with other brain-derived compounds which contain a phenolic and terminal amine group. Tyramine appears to significant structural similarity with NTox. Tyramine, however, has no known neurotoxic or neuroprotective properties.

FIG. 13 reveals neuroprotective effects of NTox-like compounds. Test conditions include microglia stimulated with A beta 1-42, isolated NTox applied to neurons directly, or neurons mixed with 100 μ M of the toxin quinolinic acid (QUIN). As shown, the toxin kills neurons, but the NTox-like compounds protect neurons from the toxin.

acid which points to existence of families of molecules which could prevent microglia-mediated neuron injury.

FIGS. 14A-D displays neurotoxic microglia activated by betaamyloid peptide. FIG. 14A shows a fluorescence photomicrograph of neurons immuno-stained with anti-neurofilament and anti-MA beta 2

antibodies found in control hippocampal cultures (1,200 cells per mm²) that were supplemented with microglia (500 per mm²). FIG. 14B shows a culture identical to FIG. 13A exposed to synthetic ***human*** A beta 1-42 (1 mu mole/l) for 72 hours resulting in a dramatic loss of neurons (Bar=20 microns). FIG. 14C shows testing of various A beta peptides in a neurotoxicity assay using rat hippocampal cultures supplemented with microglia resulting in 70-80% killing of neurons after exposure for 72 hours to ***human*** A beta 1-40, A beta 1-42, or A beta 1-42 coupled to microspheres (Spheres A beta 1-42) while elimination of microglia from the cultures prevented neuron death. The pattern of neuron killing by synthetic peptides was similar to that elicited by either isolated AD plaques or native A beta purified from plaques. Interestingly, rodent A beta 1-40 (Arg5, Phe10, and Arg13) did not activate microglia. The A beta peptides containing either the ***N*** - ***terminus*** of the peptide (A beta 1-11, A beta 1-16, and A beta 1-28) or C-terminus (A beta 17-43) alone also were inactive. FIG. 14D shows the capacity of A beta 1-42 (1 mu mole/l) to activate microglia examined after modification of the N-terminal region by chemical or enzymatic methods. Altering residues in the 13 to 16 domain blocked the A beta 1-42 induction of neurotoxic microglia. Cyclohexanedione (CHD)-modification of Arg5; tetranitromethane (TNM)-modification of Tyr10; diethylpyrocarbonate (DEPC)-modification of His6, His13, His14 with diethylamine used to reverse the DEPC effect; transglutaminase (TNG) modification of Gln15; ethyl acetimidate (EAM)-modification of Lys16.

FIGS. 15A-D depicts inhibition of A beta binding to microglia. FIG. 15A shows A beta 1-42 coupled to fluorescent microspheres and the Spheres A beta 1-42 monitored for binding to microglia after 4 hours at 37 degrees C. in the presence of peptides (all at 10 mu moles/l). Only peptides containing residues 13-16 were able to competitively block sphere binding. FIG. 15B shows that enzymatic treatments of microglia altered A beta binding to cells. Spheresmal-BSA (which bind to scavenger receptors) or SpheresA beta 1-42 were incubated with microglia for 4 hours following pre-treatment of cells with trypsin (5000 units/ml at 37 degrees C. for 60 min followed by inactivation with soybean trypsin inhibitor), with heparinase (heparin lyase EC 4.2.2.7; two consecutive treatments each of 0.01 units/ml for 60 min), or with chondroitinase ABC (chondroitin ABC lyase EC 4.3.3.4; two consecutive treatments each of 0.02 units/ml for 60 min). Binding by either SpheresA beta 1-42 or Spheresmal-BSA to microglia were reduced by trypsin. Heparinase, however, only decreased SpheresA beta 1-42 while chondroitinase affected neither A beta or scavenger ligand binding sites. FIG. 15C shows that competition with ligands again suggest the involvement of a heparin sulfate-containing site on microglia with reduction of binding in the presence of heparin sulfate (50 mu g/ml) or A beta 1-16 (10 mu mole/l). In contrast, scavenger receptor binding of Spheresmal-BSA was blocked by known scavenger receptor ligands such as dextran sulfate (500 mu g/ml) or acetylated LDL (ac-LDL, 200 mu g/ml). FIG. 15D shows that plaque induction of neurotoxicity in microglia involves heparin sulfate-containing site. Microglia mixed with hippocampal neurons were treated with combinations of beta-Dxyloside (1 mm), heparinase (0.02 units/ml), or chondroitinase (0.04 units/ml) and then exposed to plaques. Enzyme treatments alone, particularly that of heparinase brought on some reduction in neurotoxic activity; however, a combination of both enzymatic degradation of heparin sulfate plus competitive blockade of glycosylation by beta-D-xyloside completely eliminated plaque activation.

FIGS. 16A-C displays neurotoxic microglia blocked by A beta peptides. FIG. 16A shows both A beta 1-42 (1 mu moles/l) in solution and or SpheresA beta 1-42 (250,000 per well) added to hippocampal cultures supplemented with microglia in the presence of various synthetic A beta peptides (all at 10 mu moles/l). Peptides containing residues 13 to 16 prevented A beta induction of neurotoxic microglia. FIG. 16B shows that dose curves show a greater blocking capacity for those peptides containing residues within the 1-16 hydrophilic portion of A beta . Addition of more hydrophobic segments (beyond residue 16) diminish the ability of peptide to block A beta 1-42 interactions with microglia. FIG. 16C sets forth comparisons of various peptides confirm that the HHQK domain of A beta blocks plaque activation of neurotoxic microglia.

FIG. 17 sets forth a table of the effects of ***beta*** - ***Amyloid*** peptides upon microglia. All peptides which contain the unmodified region encompassing residues 13-16 (A beta 13-16, A beta 13-17, A beta 13-18, A beta 13-19, A beta 13-20, A beta 13-21, A beta 13-22, A beta 13-23, A beta 13-24, A beta 13-25, A beta 13-26, A beta 13-27, A beta 13-28, A beta 13-29, A beta 13-30, A beta 13-31, A beta 13-32, A beta 13-33, A beta 13-34, A beta 13-35, A beta 13-36, A beta 13-37, A beta 13-38, A beta 13-39, A beta 13-40, A beta 13-41, A beta 13-42, A beta 13-43, A beta 13-44, A beta 13-45, A beta 13-46, A beta 13-47, A beta 13-48, A beta 13-49, A beta 13-50, A beta 13-51, A beta 13-52, A beta 13-53, A beta 13-54, A beta 13-55, A beta 13-56, A beta 13-57, A beta 13-58, A beta 13-59, A beta 13-60, A beta 13-61, A beta 13-62, A beta 13-63, A beta 13-64, A beta 13-65, A beta 13-66, A beta 13-67, A beta 13-68, A beta 13-69, A beta 13-70, A beta 13-71, A beta 13-72, A beta 13-73, A beta 13-74, A beta 13-75, A beta 13-76, A beta 13-77, A beta 13-78, A beta 13-79, A beta 13-80, A beta 13-81, A beta 13-82, A beta 13-83, A beta 13-84, A beta 13-85, A beta 13-86, A beta 13-87, A beta 13-88, A beta 13-89, A beta 13-90, A beta 13-91, A beta 13-92, A beta 13-93, A beta 13-94, A beta 13-95, A beta 13-96, A beta 13-97, A beta 13-98, A beta 13-99, A beta 13-100, A beta 13-101, A beta 13-102, A beta 13-103, A beta 13-104, A beta 13-105, A beta 13-106, A beta 13-107, A beta 13-108, A beta 13-109, A beta 13-110, A beta 13-111, A beta 13-112, A beta 13-113, A beta 13-114, A beta 13-115, A beta 13-116, A beta 13-117, A beta 13-118, A beta 13-119, A beta 13-120, A beta 13-121, A beta 13-122, A beta 13-123, A beta 13-124, A beta 13-125, A beta 13-126, A beta 13-127, A beta 13-128, A beta 13-129, A beta 13-130, A beta 13-131, A beta 13-132, A beta 13-133, A beta 13-134, A beta 13-135, A beta 13-136, A beta 13-137, A beta 13-138, A beta 13-139, A beta 13-140, A beta 13-141, A beta 13-142, A beta 13-143, A beta 13-144, A beta 13-145, A beta 13-146, A beta 13-147, A beta 13-148, A beta 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microglial neurotoxicity, and the ability of AD plaques to induce microglial neurotoxicity. NA=not applied in this neurotoxicity test, since the free peptide induces microglial toxicity.

FIGS. 18A-G show selective elimination of microglia from mixed hippocampal cultures. Control cultures (FIGS. 18A, 18C, 18E) show complex neuronal networks revealed by MAP-2/neurofilament immunostaining (FIG. 18A), the presence of DiI-ac-LDL(+) microglia (FIG. 18B), and near confluent feeder layer of GFAP(+) astrocytes (FIG. 18C). After treatment of cultures with saporin coupled to acetylated LDL (FIG. 18B, 18D, 18F), there was an elimination of microglia (FIG. 18D) without effect on survival of either neurons (FIG. 18B) or astroglia (FIG. 18F). Bar=25 μ m. FIG. 18G shows counts of specific cell populations with and without Sap-ac-LDL treatment confirm the specific depletion of microglia. Data are expressed as mean values \pm standard error obtained from 9 randomly selected fields from at least 5 independent cultures viewed at 200 x magnification.

FIGS. 19A-D displays constituents of solubilized native senile plaques elicit neuron killing. FIG. 19A shows neuritic/core or diffuse plaques were isolated from cortical gray matter, solubilized in formic acid, and dialyzed against a betaine buffer. Equal amounts of plaque protein (normalized to total amine content at 400 μ moles/l) were added to neuronal cultures in the presence (100,000 cells per culture) or absence of rat microglia. As shown, solubilized neuritic/core plaque proteins (Neuritic/Core Plaque) lead to significant killing of neurons, but only in the presence of microglia. Neither solubilized diffuse plaque proteins (Diffuse Plaque) nor the betaine buffer (Buffer Control) elicited neurotoxic activity. FIG. 19B shows size-exclusion chromatography of neuritic/core plaque proteins using two Superose 12 columns in tandem (300 mm x 10 mm x 2; beads 10 μ m diameter). The chromatogram was developed with 80% glass distilled formic acid at a flow rate of 0.3 ml per minute and monitored at 280 nm. The approximate molecular masses of the fractions were: S1, 200 kDa; S2, 45 kDa; S3, 15 kDa; S4, 10 kDa; and S5, 5 kDa. FIG. 19C shows a histogram in which exposure to peaks S3, S4, and S5 all elicited significant increases in the percent of reactive microglia as defined by morphologic criteria, whereas peaks S1 and S2 do not. FIG. 19D shows fractions of solubilized neuritic/core plaques applied to hippocampal cultures in the presence or absence of microglia. No neuron killing was detected in cultures free of microglia. Neuron loss appeared, however, in microglia containing cultures exposed to peaks S3, S4, and S5, all which contain A β .

FIGS. 20A-E displays soluble fractions of native plaques induce microglial reactivity. Bright field photomicrographs of rat microglia cultures exposed to peak S1 (FIG. 20A) or peak S5 (FIG. 20B) and immuno-stained for the presence of A β . As shown, aggregates of A β are found throughout the cultures incubated with peak S5 (Bar =25 microns). Phase photomicrographs show cultured microglia as process bearing cells with spinous surfaces typical of non-reactive cells despite exposure to peak S4 (FIG. 20C). In contrast, microglia exposed to peak S5 retract processes and take on a reactive cell morphology similar to that found in AD brain (FIG. 20D; Bar=5 microns).

FIGS. 21A-D displays toxic actions of synthetic A β peptides upon neurons. FIG. 21A and 21B shows high concentrations of most A β peptides placed in hippocampal cultures containing neurons and astroglia (but depleted of microglia) show little effect. There is, however, a generalized cytotoxic action by A β 25-35 at greater-than 30 μ moles/l on both neurons (FIG. 21A) and astroglia (FIG. 21B). In the absence of microglia, none of the A β peptides (at 1 μ mole/l) produce destruction of neurons. When rat microglia are added to neuronal cultures, however, only A β 1-40 and A β 1-42 elicit neuron killing (FIG. 21C). As shown in FIG. 21D, addition of increasing numbers of microglia show a saturated neuron killing response at a density of 150 microglia per mm^2 when incubated with 1 μ mole/liter A β 1-42; microglia found within the E18 culture at the time of plating (endogenous microglia) also showed an efficient killing capacity in the presence of A β . These observations point to the need to deplete neuron cultures of microglia when assessing mechanisms of A β toxicity. Dose response curves reveal A β 1-42 to be the most potent microglial stimulus with an estimated ED50 of 10 nmoles/l compared to 80 nmoles/l for A β 1-40 (500 microglia per mm^2 ; FIG. 21E).

FIGS. 22A-F depicts cellular responses upon exposure to synthetic A β peptides. Phase microscopy shows that cultured rat microglia undergo morphological changes with retraction of processes when exposed to 1 μ mole/l A β 1-42 (FIG. 22E); in contrast, 1 μ mole/l A β 17-43 (FIG. 22C) does not alter microglial morphology which appear identical to untreated cells grown under control conditions (FIG. 22A). Fluorescence microscopy of neuron plus microglia cultures exposed to A β 1-42 (FIG. 22F) shows

conditioned media (10% vol/vol) from microglia incubated with 1 μ mole/l A beta 17-43 (FIG. 22D). Significant neuron loss occurred, however, if hippocampal cultures were exposed to conditioned media from microglia incubated with 1 μ mole/l A beta 1-42 (FIG. 22F). Bar = 25 microns.

FIGS. 23A-E displays A beta activation of microglia after coupling to microspheres. Fluorescently labeled microspheres were covalently coupled to A beta 1-42 and placed in hippocampal cultures containing rat microglia (500 cells per mm^2). After 72 hours, A beta 1-42-spheres (FIG. 23A) were localized specifically within DiI-ac-LDL(+) microglia (FIG. 23B, co-localization noted by arrows). In contrast, A beta 17-43 microspheres (FIG. 23C) showed no consistent association with microglia (FIG. 23D; Bar = 20 micron). FIG. 23E) Comparison of capacity of A beta in solution or coupled to microspheres (beadbound) to elicit neurotoxic microglia (250,000 microspheres per culture; 100,000 microglia per culture; 72 hour incubation). Neuronal loss was similar if A beta peptides were in solution or bound to beads, indicating that fibril formation, or other changes in tertiary structure, were not necessary to stimulate neurotoxic microglia.

FIGS. 24A-H depicts fluorescent photomicrographs of hippocampal cultures after exposure to A beta 1-42. FIG. 24A shows control cultures show complex networks of NF(+), MAP-2(+) neurons. FIG. 24B shows exposure of cultures to 100 μ moles/liter A beta 142 in the absence of microglia has no effect on neuron number, while (FIG. 24C) addition of 100 nmoles/liter A beta 1-42 in the presence of rat microglia (500 cells per mm^2) destroyed nearly all neurons. FIGS. 24D-G shows immunostaining for neuron specific enolase (NSE) is not specific to neurons in CNS cultures as shown by immunofluorescent visualization of glia in cultures of neuron-free optic nerve, including galactocerebroside(+) oligodendroglia (FIG. 24D) and GFAP(+) astrocytes (FIG. 24F) which are both NSE(+) (FIGS. 24E and 24G, respectively). Bar = 10 μ m. In FIG. 24H, ciliary neuron cultures showed that A beta 1-42 is not toxic to neurons in the absence of brain glia (A beta 1-42 only) after 48 hour exposure. Conditioned media from A beta 1-42-stimulated microglia (Microglia+A beta 1-42) did, however, kill neurons, indicating that astrocytes are not necessary to the microglial neurotoxicity.

FIGS. 25A-E displays *****human***** microglia and neuron killing. FIG. 25A shows only A beta-containing fractions from solubilized neuritic/core plaques (peaks S3 (54 nmole/l), S4 (220 nmole/l), and S5 (250 nmole/l)) elicit *****human***** microglia to engage in neurotoxic behaviors. FIG. 25B shows that when tested at 1 μ mole/liter concentrations, synthetic A beta 1-40 and A beta 142 also stimulated release of neurotoxin from *****human***** microglia, while smaller A beta fragments had no effect. Despite neuron killing, there is no evidence of increased production of nitrate or nitrite by *****human***** cells stimulated with either native (FIG. 25C) or synthetic (FIG. 25D) AD. FIG. 25E shows that neuron killing could be induced by *****human***** or rat microglia exposed to 1 μ mole/liter of the *****human***** forms of either A beta 1-42 or A beta 1-40. The rodent form of A beta 1-40, however, was inactive, as were fragments of *****human***** A beta, including 128, 12-28, and 17-43.

FIGS. 26A-C displays drug blockade of A beta induced neuron killing by rat and *****human***** microglia. To investigate mechanisms of cell killing, rat microglia were stimulated with 1 μ mole/l A beta 1-42 (Rat/A beta 1-42) and *****human***** cells with fraction S5 (containing 250 nmole/l of native A beta 1-42) from solubilized neuritic/core plaques (*****Human***** /S5 Peak). FIG. 26A shows agents that act as free radical scavengers (vitamin E, 100 μ M; catalase, 25 units/ml; glutathione, 100 μ M) did not block microglial killing of neurons. No protective effects were observed with the nitric oxide synthetase inhibitors L-N-5-(1imin-oethyl)ornithine hydrochloride (L-NIO, 10 μ M) or diphenyl iodonium (DPI, 300 nM), although the NMDA antagonist AP5 prevented neuron death. FIG. 26B shows other NMDA antagonists acting at the receptor site (AP7), at the polyamine regulatory site (ifenprodil), or at the ion channel (MK801) all blocked neuron death, while the non-NMDA glutamate antagonists (GAMS, BNQX) did not. All drugs were applied at 10 μ M. FIG. 26C shows isolation of neurotoxin from culture media conditioned by A beta-stimulated rat microglia (A beta 1-42/ Microglia) or from frozen AD gray matter (AD Brain) involved extractions in ethyl acetate (pH 10.5), acid hydrolysis, and sequential gradient RP-HPLC (C18 column using a 0 to 20% acetonitrile gradient in dH_2O with 0.1% trifluoroacetic acid). Neurotoxin activities from microglial conditioned media copurifies with that from AD brain tissue with a co-elution using RP-HPLC at about 14% acetonitrile. Neurotoxicity was not found within control brain extracts or from unstimulated microglial culture media.

FIG. 27 depicts A beta domains and interactions with microglia. FIG. 10A shows a phase photomicrograph of *****human***** microglia.

shows a fluorescence photomicrograph of the same bead showing adherent cell labeled by the fluorescent microglial marker Dil-ac-LDL; Bar=20 microns. FIG. 27C shows rat microglial adherence to Sepharose-coupled beads after six hours. Plaque proteins derived from neuritic/core plaques provided an anchoring site for microglia, as did A beta 1-42. Importantly, A beta 1-28 also promoted bead binding, while A beta 17-43 did not. Controls included beads coupled to glycine (Control glycine) and to bovine serum albumin (Control-BSA). Data shown are expressed as the numbers of adhering cells per 100 randomly selected beads +/-standard error after 6 hour incubation at 37 degrees C.

FIGS. 28A-G displays that the A beta cell binding domain is required for activation of neurotoxic microglia. Fluorescent photomicrographs showing microsphere binding to enriched cultures of rat microglia (500/mm²) after 4 hour incubation at 37 C. Coupling of A beta peptides to fluorescent microspheres showed that A beta 1-42 (FIG. 28A), A beta 12-28 (FIG. 28D), and A beta 10-16 (FIG. 28E) readily bind, while peptides A beta 17-43 (FIG. 28B), A beta 1-11 (FIG. 28C), and A beta 1-5 (FIG. 28F) did not. Quantitations of binding pattern (FIG. 28G) indicated that regions of the ******N**** - ****terminus****** -containing amino acid residues 10-16 were necessary for A beta binding to microglia. Data are expressed as mean values +/-standard error when viewed at 200 x magnification.

FIG. 29 displays the comparison of A beta effects upon microglia. FIG. 29A shows dose response curves in which although A beta 10-16 is able to bind to microglia, it did not elicit neurotoxic microglia. The addition of this microglial binding domain to A beta 17-42 (which neither binds to microglia nor elicits toxicity) created a peptide, A beta 10-42, which both bound to microglia and stimulated microglia to kill neurons. FIG. 29B shows a diagram comparing the structures and functions of synthetic peptides. The shaded area illustrates the Nterminal portion of A beta that differs between ******human****** and rat forms and which appears necessary for microglial adherence. !

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 TI TRANSGENIC RODENTS HARBORING APP ALLELE HAVING SWEDISH MUTATION
 IN McLonlogue Lisa; Sinha Sukanto; Zhao Jun
 PA Elan Pharmaceuticals Inc
 Lilly, Eli and Co
 (49246, 49800)

PI	US 6586656	20030701		
AI	US 2001-838556	20010418		
RLI	US 1993-148211	19931101	CONTINUATION	5612486
	US 1997-785943	19970122	CONTINUATION	5850003
	US 1998-209647	19981210	CONTINUATION	6245964
	US 1993-143697	19931027	CONTINUATION-IN-PART	5604102
FI	US 6586656	20030701		
	US 5612486			
	US 5850003			
	US 6245964			
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GI 5 Drawing Sheet(s), 6 Figure(s).

FIGS. 1(A-B), panels A and B are plasmid maps of pNSEAPPsw Delta 3' and pNSEAPPsw, respectively, which are used to produce transgenic mice as described herein.

FIG. 2 is a Western blot of soluble fractions of transgenic and control animal brains probed for the presence of secreted beta APP fragments reactive with the Swedish 192 ******antibody******. Lane 1: molecular weight markers; lane 2: non-transgenic line; lane 3: transgenic line.

FIGS. 3(A-B), panels A and B are Western blots of brain homogenates from transgenic (+) and non-transgenic (-) animals depleted of 6C6 ******antibody****** -reactive beta APP forms probed with ******antibody****** 8E5 (panel A) and Swedish 192 ******antibody****** (panel B).

FIG. 4 shows an immunoblot demonstrating specificity of the Swedish 192 ******antibody******. Lanes 1, 3, 5 contain material eluted from heparin agarose. Lanes 2, 4, 6 contain material eluted from the 6C6 resin. Lanes 1 and 2 were probed with ******antibody****** 8E5; Lanes 3 and 4 were probed with the Swedish 192 ******antibody******; Lanes 5 and 6 were probed with ******antibody****** 6C6.

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AI US 2000-481980 20000112
PRAI US 1999-115749P 19990113 (Provisional)
FI US 6518011 20030211
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CLMN 7
GI 8 Drawing Sheet(s), 12 Figure(s).

FIG. 1 Shows a possible location of an epitope tag in the A-beta sequence of the beta-APP and predicted accumulation of epitope tagged cleavage fragments. The A-beta fragment (1-42), with the proposed proteolytic cleavage sites for secretases (alpha-, beta-, gamma 1 (40)-, and gamma 2 (42)), is indicated. The epitope tag in this example is centered on the alpha secretase site (amino acids 16 to 17 in A-beta). Cleavage by beta and gamma secretases is expected to lead to an accumulation of epitope tagged A-beta (1-40) and A-beta (1-42) in the conditioned medium, whereas cleavage by alpha secretase (within the epitope tag) is expected to destroy or reduce the accumulation of epitope tagged A-beta fragments in the conditioned medium.

FIG. 2 Shows an immunoblot analysis of HEK 293 (***human*** embryonic kidney cell line, ATTC #CRL-1573) cell lysates after transfection with epitope-tagged beta-APP. Cell lysates were prepared by lysis of HEK 293 cells into SDS and were fractionated by SDS-PAGE, followed by transfer to nitrocellulose membranes. The membranes were developed with mAB 22C11 (epitope in the ***N*** - ***terminus*** of full-length beta-APP; lanes 1 and 2), mAB anti-HA 11 (influenza hemagglutinin epitope: YPYDVPDYA) (SEQ ID NO: 6) (directed to the HA 11 epitope tag; lanes 3 and 4), and mAB 9E10 (directed to the myc epitope tag; lanes 5 and 6). Lane 1, HEK 293 cells transfected with HA 11 beta-APP 695; lane 2, HEK 293 cells transfected with vector alone ('Mock-transfection'); lane 3, HEK 293 cells transfected with HA 11 beta-APP 695; lane 4, HEK 293 cells transfected with vector alone; lane 5, HEK 293 cells transfected with myc betaAPP 695; lane 6, HEK 293 cells transfected with vector alone. The relative mobility of molecular weight standards is indicated to the left.

FIG. 3 Shows an accumulation of beta-APP fragments into HEK 293 conditioned medium. The 24 hour serum-free conditioned medium (lanes 1 and 2) or cell lysates (lanes 3 and 4) of HEK 293 cells transfected with vector alone (lanes 1 and 3) or HA 11 beta-APP 695 (lanes 2 and 4) were harvested. The resulting polypeptides were fractionated by SDS-PAGE (10% acrylamide in separating gel) and transferred to nitrocellulose membranes. Panel A was developed with mAB anti-HA 11, whereas panel B was developed with mAB 22C11. The relative mobility of molecular weight standards is indicated to the right.

FIG. 4 Shows the detection of epitope-tagged beta-APP fragments in HEK 293 conditioned medium after transfection with HA 11 beta-APP 695.

Panel A: Microtiter wells were coated with mAB anti-HA 11 and after blocking, incubated with a dose-response of a synthetic HA 11 A-beta (1-40) peptide containing the HA 11 epitope centered on the alpha secretase cleavage site. Bound A-beta HA 11 was detected with polyclonal ***antibodies*** specific for position 1 (Serotec) or position 40 (QCB), followed by HRP-labeled anti-rabbit IgG and TMB substrate. The change of absorbance at 650 nm was monitored and results are corrected for binding of secondary ***antibodies*** to wells not incubated with the A-beta HA 11 peptide. Results are expressed as change of absorbance per minute (MOD/minute).

Panel B: Microtiter wells were coated as in panel A and incubated with the indicated dilutions of HEK 293/HA 11 betaAPP 695 conditioned medium (24 hours). Bound HA 11 beta-APP 695 fragments were detected with ***antibodies*** specific for position 1 and 40 as in panel A. Results are expressed and corrected as in panel A.

FIG. 5 Shows a time-course of the accumulation of HA 11 A-beta (1-40) and A-beta (1-42) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 was cultured in serum-free medium containing 0.2% bovine serum albumin in 96well microtiter plates for the indicated time intervals. The accumulation of HA 11 A-beta (1-40) and A-beta (1-42) was determined. For HA 11 A-beta polypeptides ending at position 40, microtiter wells were coated with mAB anti-HA 11 and bound polypeptides were detected with rabbit anti-A-beta 40 (QCB), followed by HRP-labeled anti-rabbit IgG. For the position 42specific ELISA, microtiter wells were coated with mAB anti-HA 11, and bound polypeptides were detected with biotin-labeled mAB 108 (position 42 specific). Results are expressed as change of absorbance per minute (MOD/minute).

secondary ***antibodies*** in the absence of conditioned medium and expressed as change of absorbance at 650 nm per minute (mOD/minute).
 FIG. 6 Shows the effect of MDL 28170 and Brefeldin A on the accumulation of HA 11 A-beta (1-40) in HEK 293/HA 11 beta-APP 695 conditioned medium. HEK 293/HA 11 beta-APP 695 cells were plated at confluence in 96-well plates and the indicated doseresponse of either MDL 28170 (panel A), or Brefeldin A (panel B) was added for 16 hours. The accumulation of HA 11 A-beta (1-40) (position 40-specific ***antibody*** ; QCB) was determined as in FIG. 5. Results are expressed as percentage inhibition of HA 11 Abeta (1-40) accumulation in comparison to wells incubated with vehicle (dimethyl sulfoxide, DMSO) alone.

FIG. 7 Shows an isolation of HA 11 A-beta from HEK 293/HA 11 beta-APP 695 cells. Conditioned medium (serum-free containing 0. 2% BSA) was passed over an mAB anti-HA 11 affinity matrix. After washing, the column was eluted with 5% formic acid in water. The peak fractions were pooled, dried in a Speed-Vac, resuspended in water and the pH was adjusted to 7.4 with Tris.

Panel A: The starting material, flow-through, and the pooled elution fractions (after dilution to account for the concentration of the HA 11 A-beta on the column) were analyzed by ELISA specific for position 40 in HA 11 A-beta as in FIGS. 4 and 5.

Panel B: The indicated dilutions of the pooled elution fractions were analyzed by ELISA specific for position 1, 40, and 42 in HA 11 A-beta. Note that approximately equal immunoreactivity is present for the position 1 and 40 ***antibodies***, whereas the 42specific reactivity is lost with 10-fold lesser dilution.

Panel C: The elution fractions were analyzed by SDS-PAGE (16.5% polyacrylamide in separating gel), followed by immunoblotting with mAB anti-HA 11, followed by HRP-labeled anti-mouse Ig, and chemiluminescence detection (ECL tm, Amersham). Lane 1, elution fraction, stained with mAB anti-HA 11; lane 2, elution fraction spiked with HA 11 A-beta peptide (50 ng); lane 3, purified A-beta HA 11 1-40 peptide; and lane 4, elution fraction, stained under omission of anti-HA 11.

L4 ANSWER 43 OF 391 JICST-EPlus COPYRIGHT 2003 JST on STN
 AN 930792511 JICST-EPlus
 TI Ca2+-Dependent 68 kDa Protease in Familial Alzheimer's Disease Cells
 Cleaves the ***N*** - ***terminus*** of . ***BETA*** .-
 Amyloid
 AU MATSUMOTO AKIRA; FUJIWARA YOSHISADA
 CS Kobe Univ., School of Medicine
 SO Kiso Roka Kenkyu (Biomedical Gerontology), (1993) vol. 17, no. 2, pp.
 62-63. Journal Code: Y0748A (Ref. 4)
 ISSN: 0912-8921
 CY Japan
 DT Journal; Short Communication
 LA Japanese
 STA New

L4 ANSWER 44 OF 391 LIFESCI COPYRIGHT 2003 CSA on STN
 AN 2000:62119 LIFESCI
 TI Generation of the Amyloid- beta Peptide ***N*** ***Terminus*** in
 Saccharomyces cerevisiae Expressing ***Human*** Alzheimer's Amyloid-
 beta Precursor Protein
 AU Greenfield, J.P.; Xu, H.; Greengard, P.; Gandy, S.; Seeger, M.
 CS Laboratory of Molecular and Cellular Neuroscience, and Fisher Center for
 Research on Alzheimer Disease, Rockefeller University, New York, New York
 10021
 SO Journal of Biological Chemistry [J. Biol. Chem.], (19991100) vol. 274, no.
 48, pp. 33843-33846.
 ISSN: 0021-9258.
 DT Journal
 FS N3; N
 LA English
 SL English

L4 ANSWER 45 OF 391 LIFESCI COPYRIGHT 2003 CSA on STN
 AN 91:46552 LIFESCI
 TI Alzheimer patients: Preamyloid deposits are immunoreactive with
 antibodies to extracellular domains of the amyloid precursor
 protein.
 AU Tagliavini, F.; Giaccone, G.; Verga, L.; Ghiso, J.; Frangione, B.;
 Bugiani, O.
 CS Ist. Neurol. Carlo Besta, Via Celoria 11, 20133 Milano, Italy
 SO NEUROSCI LETT (1991) vol. 128, no. 1, pp. 117-120

FS N3
LA English
SL English

L4 ANSWER 46 OF 391 MEDLINE on STN
AN 2001286060 MEDLINE
DN 21110573 PubMed ID: 11162251
TI Amino-terminal modification and tyrosine phosphorylation of [corrected] carboxy-terminal fragments of the amyloid precursor protein in Alzheimer's disease and Down's syndrome brain.
CM Erratum in: Neurobiol Dis 2001 Jun;8(3):540
AU Russo C; Salis S; Dolcini V; Venezia V; Song X H; Teller J K; Schettini G
CS Section of Pharmacology and Neuroscience, National Cancer Institute, Genova, Italy.
NC AG08012 (NIA)
AG08155 (NIA)
AG14359 (NIA)
NS37392 (NINDS)
SO NEUROBIOLOGY OF DISEASE, (2001 Feb) 8 (1) 173-80.
Journal code: 9500169. ISSN: 0969-9961.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010529
Last Updated on STN: 20010828
Entered Medline: 20010524

L4 ANSWER 47 OF 391 MEDLINE on STN
AN 91128587 MEDLINE
DN 91128587 PubMed ID: 2126439
TI Colocalization of amino terminal and A4 (***beta*** - ***amyloid***) antigens in Alzheimer plaques: evidence for coordinated processing of the amyloid precursor protein.
AU Tate-Ostroff B; Majocha R E; Walcott E C; Ventosa-Michelman M; Marotta C A
CS Department of Psychiatry, Harvard Medical School, Boston, MA.
NC AG02126 (NIA)
SO JOURNAL OF GERIATRIC PSYCHIATRY AND NEUROLOGY, (1990 Jul-Sep) 3 (3) 139-45.
Journal code: 8805645. ISSN: 0891-9887.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199103
ED Entered STN: 19910405
Last Updated on STN: 19980206
Entered Medline: 19910318

L4 ANSWER 48 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED. on STN
AN 2002-0526261 PASCAL
CP Copyright .COPYRGT. 2002 INIST-CNRS. All rights reserved.
TIEN Divergent pathways account for two distinct effects of amyloid .beta. peptides on exocytosis and Ca.sup.2.sup.+ currents: involvement of ROS and NF-KB
AU GREEN Kim N.; PEERS Chris
CS Institute for Cardiovascular Research, University of Leeds, Leeds, United Kingdom
SO Journal of neurochemistry, (2002), 81(5), 1043-1051, refs. 1 p. 1/2
ISSN: 0022-3042 CODEN: JONRA9
DT Journal
BL Analytic
CY United States
LA English
AV INIST-4037, 354000108919100160

L4 ANSWER 49 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED. on STN
AN 1998-0432550 PASCAL
CP Copyright .COPYRGT. 1998 INIST-CNRS. All rights reserved.
TIEN GM1 ganglioside-bound amyloid .beta.-protein in Alzheimer's disease brain The molecular biology of Alzheimer's disease and animal models: routes to the development of new therapies

CS MORI Hiroshi (ed.)
 Department of Dementia Research, National Institute for Longevity
 Sciences, 36-3 Gengo, Morioka, Obu 474, Japan; Department of
 Neuropathology Faculty of Medicine, University of Tokyo, 7-3-1 Hongo,
 Bunkyo-ku, Tokyo 113, Japan
 Department of Molecular Biology, Tokyo Institute of Psychiatry, Japan
 Tokyo Institute of Psychiatry, Japan (patr.)
 SO Neurobiology of aging, (1998), 19(1, SUP), S65-S67, 14 refs.
 Conference: 11 Annual Tokyo Institute of Psychiatry International
 Symposium, Tokyo (Japan), 4 Mar 1997
 ISSN: 0197-4580 CODEN: NEAGDO
 DT Journal; Conference
 BL Analytic
 CY United States
 LA English
 AV INIST-20387, 354000075429300130

L4 ANSWER 50 OF 391 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED.
 on STN
 AN 1996-0219891 PASCAL
 CP Copyright .COPYRGT. 1996 INIST-CNRS. All rights reserved.
 TIEN Monoclonal ****antibodies**** against the ****human****
 metalloprotease EC 3.4.24.15 label neurofibrillary tangles in Alzheimer's
 disease brain
 AU CONN K. J.; PIETROPAOLO M.; JU S.-T.; ABRAHAM C. R.
 CS Arthritis Center, K-5, Boston University School of Medicine, 80 East
 Concord Street, Boston, MA 02118, United States
 SO Journal of neurochemistry, (1996), 66(5), 2011-2018, refs. 1 p.1/4
 ISSN: 0022-3042 CODEN: JONRA9
 DT Journal
 BL Analytic
 CY United States
 LA English
 AV INIST-4037, 354000044329370290

L4 ANSWER 51 OF 391 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
 AN 2001:73885 SCISEARCH
 GA The Genuine Article (R) Number: 392HB
 TI Immunomodulation of the ****human**** prion peptide 106-126 aggregation
 AU Hanan E; Goren O; Eshkenazy M; Solomon B (Reprint)
 CS Tel Aviv Univ, Fac Life Sci, Dept Mol Microbiol & Biotechnol, IL-69978 Tel
 Aviv, Israel (Reprint)
 CYA Israel
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (12 JAN 2001) Vol.
 280, No. 1, pp. 115-120.
 Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
 92101-4495 USA.
 ISSN: 0006-291X.
 DT Article; Journal
 LA English
 REC Reference Count: 35
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 52 OF 391 USPATFULL on STN
 AN 2003:282760 USPATFULL
 TI Novel amino acid sequences for ****human**** epidermal growth
 factor-like polypeptides
 IN Shimkets, Richard A., West Haven, CT, UNITED STATES
 Fernandes, Elma, Branford, CT, UNITED STATES
 Herrman, John, Guilford, CT, UNITED STATES
 Vernet, Corine, Gainesville, FL, UNITED STATES
 PA CuraGen Corporation, New Haven, CT, UNITED STATES, 06511 (U.S.
 corporation)
 PI US 2003199103 A1 20031023
 AI US 2001-977639 A1 20011015 (9)
 RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING
 PRAI US 2000-201388P 20000503 (60)
 US 2000-193086P 20000330 (60)
 US 2000-191158P 20000322 (60)
 US 2000-189810P 20000316 (60)
 US 1999-137322P 19990603 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 10459
 INCL INCL: 426/518 000

NCL NCLM: 436/518.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C07K014-485
ICS: C07H021-04; C12P021-02; C12N005-06; G01N033-543

L4 ANSWER 53 OF 391 USPTAFULL on STN
AN 2003:282611 USPTAFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)
PI US 2003198954 A1 20031023
AI US 2001-1142 A1 20011114 (10)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-IB1715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 25681
INCL INCLM: 435/006.000
INCLS: 536/023.200
NCL NCLM: 435/006.000
NCLS: 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04

L4 ANSWER 54 OF 391 USPTAFULL on STN
AN 2003:282304 USPTAFULL
TI Stabilized Hbc chimera particles as therapeutic vaccine for chronic hepatitis
IN Page, Mark, Allestree, UNITED KINGDOM
Friede, Martin, Cardiff, CA, UNITED STATES
PI US 2003198645 A1 20031023
AI US 2003-372076 A1 20030221 (10)
RLI Continuation-in-part of Ser. No. US 2002-82014, filed on 21 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2002-80299, filed on 21 Feb 2002, PENDING
DT Utility
FS APPLICATION
LN.CNT 5638
INCL INCLM: 424/192.100
INCLS: 424/191.100; 530/826.000; 424/189.100; 536/023.720; 536/023.700
NCL NCLM: 424/192.100
NCLS: 424/191.100; 530/826.000; 424/189.100; 536/023.720; 536/023.700
IC [7]
ICM: C07H021-04
ICS: A61K039-29; A61K039-00; A61K039-002; C07K001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 55 OF 391 USPTAFULL on STN
AN 2003:271511 USPTAFULL
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions comprising same, and methods for inhibiting ***beta*** -
amyloid peptide release and/or its synthesis by use of such compounds
IN Wu, Jing, San Mateo, CA, UNITED STATES
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES
Mabry, Thomas E., Indianapolis, IN, UNITED STATES
Latimer, Lee H., Oakland, CA, UNITED STATES
John, Varghese, San Francisco, CA, UNITED STATES
Fang, Lawrence Y., Foster City, CA, UNITED STATES
Audia, James E., Indianapolis, IN, UNITED STATES
PI US 2003191119 A1 20031009
AI US 2002-314221 A1 20021209 (10)
RLI Division of Ser. No. US 2001-984834, filed on 31 Oct 2001, PENDING
Continuation of Ser. No. US 1999-303655, filed on 3 May 1999, GRANTED,
Pat. No. US 6333351 Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, GRANTED, Pat. No. US 6117901
PRAT US 1996-085510 19961122 (60)

FS APPLICATION
LN.CNT 3753
INCL INCLM: 514/227.800
INCLS: 514/357.000; 514/235.500; 514/563.000; 514/616.000
NCL NCLM: 514/227.800
NCLS: 514/357.000; 514/235.500; 514/563.000; 514/616.000
IC [7]
ICM: A61K031-541
ICS: A61K031-5377; A61K031-44; A61K031-198; A61K031-16
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 56 OF 391 USPATFULL on STN
AN 2003:271112 USPATFULL
TI Novel proteins and nucleic acids encoding same
IN Grosse, William M., Branford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Mishra, Vishnu, Gainesville, FL, UNITED STATES
Kekuda, Ramesh, Stamford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Padigar, Muralidhara, Branford, CT, UNITED STATES
Shimkets, Richard A., West Haven, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Edinger, Shlomit R., New Haven, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Gunther, Erik, Branford, CT, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES

PI US 2003190715 A1 20031009
AI US 2001-976782 A1 20011012 (9)
PRAI US 2000-240113P 20001012 (60)
US 2000-240662P 20001016 (60)
US 2000-240732P 20001016 (60)
US 2000-240625P 20001016 (60)
US 2000-240648P 20001016 (60)
US 2000-240703P 20001016 (60)
US 2000-241190P 20001016 (60)
US 2000-240637P 20001016 (60)
US 2000-240669P 20001016 (60)
US 2001-262455P 20010118 (60)

DT Utility
FS APPLICATION
LN.CNT 9839
INCL INCLM: 435/183.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 57 OF 391 USPATFULL on STN
AN 2003:265931 USPATFULL
TI O-linked N-acetylglucosamine pathway in the pathogenesis of
neurodegeneration and diabetes
IN Kudlow, Jeffrey, Birmingham, AL, UNITED STATES
Konrad, Robert, Carmel, IN, UNITED STATES
PI US 2003186948 A1 20031002
AI US 2003-392508 A1 20030320 (10)
RLI Continuation-in-part of Ser. No. US 2001-813534, filed on 21 Mar 2001,
GRANTED, Pat. No. US 6589995
PRAI US 2000-190785P 20000321 (60)
DT Utility
FS APPLICATION
LN.CNT 1426
INCL INCLM: 514/150.000
INCLS: 514/262.100; 514/062.000; 514/389.000
NCL NCLM: 514/150.000
NCLS: 514/262.100; 514/062.000; 514/389.000
IC [7]

ICS: A61K031-655; A61K031-519; A61K031-4162
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 58 OF 391 USPATFULL on STN
AN 2003:264865 USPATFULL
TI Therapy for ***human*** cancers using cisplatin and other drugs or
genes encapsulated into liposomes
IN Boulikas, Teni, Palo Alto, CA, UNITED STATES
PI US 2003185879 A1 20031002
AI US 2003-350470 A1 20030123 (10)
RLI Division of Ser. No. US 1999-434345, filed on 5 Nov 1999, GRANTED, Pat.
No. US 6511676
DT Utility
FS APPLICATION
LN.CNT 1652
INCL INCLM: 424/450.000
INCLS: 424/649.000
NCL NCLM: 424/450.000
NCLS: 424/649.000
IC [7]
ICM: A61K009-127
ICS: A61K033-24

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 59 OF 391 USPATFULL on STN
AN 2003:264844 USPATFULL
TI Immunogenic HBC chimer particles stabilized with an N-terminal cysteine
IN Birkett, Ashley J., Escondido, CA, UNITED STATES
PI US 2003185858 A1 20031002
AI US 2002-82014 A1 20020221 (10)
RLI Continuation-in-part of Ser. No. US 2001-930915, filed on 15 Aug 2001,
PENDING
DT Utility
FS APPLICATION
LN.CNT 5511
INCL INCLM: 424/227.100
INCLS: 424/191.100; 530/350.000; 424/278.100; 435/320.100; 536/023.720
NCL NCLM: 424/227.100
NCLS: 424/191.100; 530/350.000; 424/278.100; 435/320.100; 536/023.720
IC [7]
ICM: C07H021-04
ICS: A61K039-002; A61K045-00; C12N015-00; C12N015-63; C12N015-74;
C07K014-00; A61K039-00; A61K047-00; C12N015-70; C07K017-00; A61K039-29;
C12N015-09; C07K001-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 60 OF 391 USPATFULL on STN
AN 2003:260805 USPATFULL
TI .beta.-secretase enzyme compositions and methods
IN Anderson, John P., San Francisco, CA, United States
Basi, Guriqbal, Palo Alto, CA, United States
Doan, Minh Tam, Hayward, CA, United States
Frigon, Normand, Milbrae, CA, United States
John, Varghese, San Francisco, CA, United States
Power, Michael, Fremont, CA, United States
Sinha, Sukanto, San Francisco, CA, United States
Tatsuno, Gwen, Oakland, CA, United States
Tung, Jay, Belmont, CA, United States
Wang, Shuwen, Hersey, PA, United States
McConlogue, Lisa, Burlingame, CA, United States
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 6627739 B1 20030930
AI US 2000-724566 20001128 (9)
RLI Continuation of Ser. No. US 2000-501708, filed on 10 Feb 2000
PRAI US 1999-119571P 19990210 (60)
US 1999-139172P 19990615 (60)
DT Utility
FS GRANTED
LN.CNT 4793
INCL INCLM: 530/387.900
INCLS: 530/388.100; 530/388.260; 530/389.100; 530/389.200
NCL NCLM: 530/387.900
NCLS: 530/388.100; 530/388.260; 530/389.100; 530/389.200
IC [7]

EXF 530/387.9; 530/388.1; 530/388.26; 530/389.1; 530/389.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 61 OF 391 USPATFULL on STN
AN 2003:257841 USPATFULL
TI Interleukin-20
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Murphy, Marianne, London, UNITED KINGDOM
Ruben, Steven M., Brookeville, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003180892 A1 20030925
AI US 2002-277726 A1 20021023 (10)
RLI Division of Ser. No. US 1999-231788, filed on 15 Jan 1999, GRANTED, Pat. No. US 6486301 Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998, PENDING Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998, PENDING
PRAI US 1997-60140P 19970926 (60)
US 1997-55952P 19970818 (60)
US 1997-52870P 19970716 (60)
US 1997-60140P 19970926 (60)
US 1997-55952P 19970818 (60)
US 1997-52870P 19970716 (60)
DT Utility
FS APPLICATION
LN.CNT 5982
INCL INCLM: 435/069.520
INCLS: 435/320.100; 435/325.000; 530/351.000; 536/023.500
NCL NCLM: 435/069.520
NCLS: 435/320.100; 435/325.000; 530/351.000; 536/023.500
IC [7]
ICM: C07K014-54
ICS: C07H021-04; C12P021-04; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 62 OF 391 USPATFULL on STN
AN 2003:257831 USPATFULL
TI Expression of proteolytically-sensitive peptides
IN Courchesne, William E., Soda Springs, CA, UNITED STATES
Schooley, David A., Reno, NV, UNITED STATES
Copley, Kathrin, San Diego, CA, UNITED STATES
PI US 2003180882 A1 20030925
AI US 2002-278242 A1 20021023 (10)
RLI Continuation of Ser. No. US 2000-661452, filed on 13 Sep 2000, ABANDONED
Continuation of Ser. No. US 1999-237936, filed on 27 Jan 1999, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 1347
INCL INCLM: 435/069.100
INCLS: 435/219.000; 435/254.200; 435/320.100; 536/023.200; 435/483.000;
530/350.000
NCL NCLM: 435/069.100
NCLS: 435/219.000; 435/254.200; 435/320.100; 536/023.200; 435/483.000;
530/350.000
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N001-18; C12N009-50; C12N015-74; C07K014-39
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 63 OF 391 USPATFULL on STN
AN 2003:257737 USPATFULL
TI Avian and reptile derived polynucleotide encoding a polypeptide having heparanase activity
IN Goldshmidt, Orit, Jerusalem, ISRAEL
Pecker, Iris, Rishon LeZion, ISRAEL
Vlodavsky, Israel, Mevaseret Zion, ISRAEL
Michal, Israel, Ashkelon, ISRAEL
Zcharia, Eyal, Jerusalem, ISRAEL
PA Insight Strategy & Marketing Ltd. (non-U.S. corporation)
Hadasit Medical Research Services and Development Ltd. (non-U.S. corporation)

AI US 2003-431438 A1 20030508 (10)
RLI Division of Ser. No. US 2001-930218, filed on 16 Aug 2001, PENDING
Continuation-in-part of Ser. No. US 2000-666390, filed on 20 Sep 2000,
ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2265
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/200.000; 435/325.000; 435/349.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/200.000; 435/325.000; 435/349.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-24; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 64 OF 391 USPATFULL on STN
AN 2003:257671 USPATFULL
TI Methods and materials relating to alpha-2-macroglobulin-like
polypeptides and polynucleotides
IN Godbole, Shubhada D., Santa Clara, CA, UNITED STATES
Boyle, Bryan J., San Francisco, CA, UNITED STATES
Mize, Nancy K., Mountain View, CA, UNITED STATES
Deng, Cenhua, Cupertino, CA, UNITED STATES
Goodrich, Ryle W., San Jose, CA, UNITED STATES
Arterburn, Matthew C., Los Gatos, CA, UNITED STATES
Zhou, Ping, Cupertino, CA, UNITED STATES
Tang, Y. Tom, San Jose, CA, UNITED STATES
Liu, Chenghua, San Jose, CA, UNITED STATES
Yeung, George, Mountain View, CA, UNITED STATES
Drmanac, Radoje T., Palo Alto, CA, UNITED STATES
PI US 2003180722 A1 20030925
AI US 2001-756247 A1 20010108 (9)
RLI Continuation-in-part of Ser. No. US 2000-649167, filed on 23 Aug 2000,
ABANDONED Continuation-in-part of Ser. No. US 2000-540217, filed on 31
Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 2000-684711,
filed on 6 Oct 2000, PENDING Continuation-in-part of Ser. No. US
2000-560875, filed on 27 Apr 2000, PENDING Continuation-in-part of Ser.
No. US 2000-496914, filed on 3 Feb 2000, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 7553
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/386.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/386.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-795
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 65 OF 391 USPATFULL on STN
AN 2003:251133 USPATFULL
TI ITI-D1 Kunitz domain mutants as hNE inhibitors
IN Ley, Arthur Charles, Newton, MA, UNITED STATES
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES
Markland, William, Milford, MA, UNITED STATES
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES
Ladner, Robert Charles, Ijamsville, MD, UNITED STATES
PI US 2003175919 A1 20030918
AI US 2002-38722 A1 20020108 (10)
RLI Continuation of Ser. No. US 1999-849406, filed on 21 Jul 1999, PENDING A
371 of International Ser. No. WO 1995-US16349, filed on 15 Dec 1995,
UNKNOWN Continuation-in-part of Ser. No. US 1994-358160, filed on 16 Dec
1994, GRANTED, Pat. No. US 5663143 Continuation-in-part of Ser. No. US
1993-133031, filed on 13 Oct 1993, ABANDONED A 371 of International Ser.
No. WO 1992-US1501, filed on 28 Feb 1992, UNKNOWN Division of Ser. No.
US 1991-664989, filed on 1 Mar 1991, PATENTED Continuation-in-part of
Ser. No. US 1990-487063, filed on 2 Mar 1990, ABANDONED
Continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988,
ABANDONED
DT Utility
FS APPLICATION
LN.CNT 3925

NCL INCLS: 435/069.200; 435/320.100; 435/325.000; 536/023.200
NCLM: 435/184.000
NCLS: 435/069.200; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12N009-99
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 66 OF 391 USPATFULL on STN
AN 2003:250925 USPATFULL
TI Molecular antigen array
IN Renner, Wolfgang A., Zurich, SWITZERLAND
Bachmann, Martin, Winterthur, SWITZERLAND
Tissot, Alain, Zurich, SWITZERLAND
Maurer, Patrick, Winterthur, SWITZERLAND
Lechner, Franziska, Zurich, SWITZERLAND
Sebbel, Peter, Zurich, SWITZERLAND
Piossek, Christine, Winterthur, SWITZERLAND
Ortmann, Rainer, Saint Louis, SWITZERLAND
Luond, Rainer, Therwil, SWITZERLAND
Staufenbiel, Matthias, Lorrach, GERMANY, FEDERAL REPUBLIC OF
Frey, Peter, Bern, SWITZERLAND
PA Cytos Biotechnology AG (non-U.S. corporation)
PI US 2003175711 A1 20030918
AI US 2002-50898 A1 20020118 (10)
PRAI US 2001-331045P 20011107 (60)
US 2001-326998P 20011005 (60)
US 2001-288549P 20010504 (60)
US 2001-262379P 20010119 (60)
DT Utility
FS APPLICATION
LN.CNT 14673
INCL INCLM: 435/006.000
INCLS: 424/201.100; 435/005.000; 435/007.320
NCL NCLM: 435/006.000
NCLS: 424/201.100; 435/005.000; 435/007.320
IC [7]
ICM: C12Q001-70
ICS: G01N033-554; G01N033-569; A61K039-295; C12Q001-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 67 OF 391 USPATFULL on STN
AN 2003:250504 USPATFULL
TI Molecular antigen array
IN Renner, Wolfgang A., Zurich, SWITZERLAND
Bachmann, Martin, Winterthur, SWITZERLAND
Tissot, Alain, Zurich, SWITZERLAND
Maurer, Patrick, Winterthur, SWITZERLAND
Lechner, Franziska, Zurich, SWITZERLAND
Sebbel, Peter, Zurich, SWITZERLAND
Piossek, Christine, Winterthur, SWITZERLAND
PA Cytos Biotechnology AG (non-U.S. corporation)
PI US 2003175290 A1 20030918
AI US 2002-50902 A1 20020118 (10)
PRAI US 2001-331045P 20011107 (60)
US 2001-326998P 20011005 (60)
US 2001-288549P 20010504 (60)
US 2001-262379P 20010119 (60)
DT Utility
FS APPLICATION
LN.CNT 15306
INCL INCLM: 424/1⁶.100
INCLS: 435/005.000; 435/007.900; 435/287.200; 435/006.000
NCL NCLM: 424/186.100
NCLS: 435/005.000; 435/007.900; 435/287.200; 435/006.000
IC [7]
ICM: A61K039-12
ICS: C12Q001-70; G01N033-53; G01N033-542; C12M001-34; C12Q001-68;
C12M003-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 68 OF 391 USPATFULL on STN
AN 2003:250493 USPATFULL
TI Ubiquilin, a presenilin interactor and methods of using same
IN Montaigne, Marwan J., Galt, H., US, SWITZERLAND

Perry, George, University Heights, OH, UNITED STATES
Smith, Mark A., Cleveland, OH, UNITED STATES
PI US 2003175278 A1 20030918
AI US 2002-293000 A1 20021113 (10)
PRAI US 2001-338549P 20011113 (60)
DT Utility
FS APPLICATION
LN.CNT 2516
INCL INCLM: 424/146.100
INCLS: 435/007.200; 435/069.100; 435/320.100; 435/325.000; 435/226.000;
536/023.200; 530/388.260
NCL NCLM: 424/146.100
NCLS: 435/007.200; 435/069.100; 435/320.100; 435/325.000; 435/226.000;
536/023.200; 530/388.260
IC [7]
ICM: A61K039-395
ICS: G01N033-53; G01N033-567; C07H021-04; C12N009-64; C12P021-02;
C12N005-06; C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 69 OF 391 USPATFULL on STN
AN 2003:244990 USPATFULL
TI Use of sulfonyl aryl or heteroaryl hydroxamic acids and derivatives
thereof as aggrecanase inhibitors
IN Barta, Thomas E., Evanston, IL, UNITED STATES
Arner, Elizabeth C., Wadsworth, IL, UNITED STATES
Becker, Daniel, Glenview, IL, UNITED STATES
Boehm, Terri L., Ballwin, MO, UNITED STATES
DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES
McDonald, Joseph, Wildwood, MO, UNITED STATES
PI US 2003171404 A1 20030911
AI US 2002-194897 A1 20020712 (10)
PRAI US 2001-306629P 20010719 (60)
DT Utility
FS APPLICATION
LN.CNT 5693
INCL INCLM: 514/335.000
INCLS: 514/422.000; 514/602.000; 514/255.050
NCL NCLM: 514/335.000
NCLS: 514/422.000; 514/602.000; 514/255.050
IC [7]
ICM: A61K031-4965
ICS: A61K031-4439; A61K031-4025; A61K031-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 70 OF 391 USPATFULL on STN
AN 2003:244942 USPATFULL
TI Methods for alzheimer's disease treatment and cognitive enhancement
IN Etcheberrigaray, Rene, Bethesda, MD, UNITED STATES
Alkon, Daniel L., Bethesda, MD, UNITED STATES
PA Neurologic, Inc. (U.S. corporation)
PI US 2003171356 A1 20030911
AI US 2002-167491 A1 20020613 (10)
PRAI US 2002-362080P 20020307 (60)
DT Utility
FS APPLICATION
LN.CNT 1098
INCL INCLM: 514/212.030
INCLS: 514/424.000; 514/450.000
NCL NCLM: 514/212.030
NCLS: 514/424.000; 514/450.000
IC [7]
ICM: A61K031-55
ICS: A61K031-4015; A61K031-353
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 71 OF 391 USPATFULL on STN
AN 2003:244343 USPATFULL
TI Alpha-fetoprotein peptides and uses thereof
IN Andersen, Thomas T., Albany, NY, UNITED STATES
Bennett, James A., Delmar, NY, UNITED STATES
Jacobson, Herbert I., Albany, NY, UNITED STATES
Mesfin, Fassil B., Albany, NY, UNITED STATES
PI US 2003170752 A1 20030911
AI US 2001-872622 A1 20010602 (60)

DT Utility
FS APPLICATION
LN.CNT 1173
INCL INCLM: 435/007.230
INCLS: 530/326.000; 530/327.000; 530/328.000; 530/317.000
NCL NCLM: 435/007.230
NCLS: 530/326.000; 530/327.000; 530/328.000; 530/317.000
IC [7]
ICM: G01N033-574
ICS: C07K007-08; C07K007-64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 72 OF 391 USPATFULL on STN
AN 2003:244336 USPATFULL
TI Early detection marker for chronic inflammatory associated diseases
IN Pereira, Heloise Anne, Edmond, OK, UNITED STATES
PI US 2003170745 A1 20030911
AI US 2003-384474 A1 20030307 (10)
PRAI US 2002-363114P 20020308 (60)
DT Utility
FS APPLICATION
LN.CNT 1079
INCL INCLM: 435/007.200
NCL NCLM: 435/007.200
IC [7]
ICM: G01N033-53
ICS: G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 73 OF 391 USPATFULL on STN
AN 2003:244219 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)
PI US 2003170628 A1 20030911
AI US 2001-999570 A1 20011114 (9)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-181715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 25549
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/007.100; 435/320.100; 435/325.000; 530/350.000;
530/388.100; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/007.100; 435/320.100; 435/325.000; 530/350.000;
530/388.100; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C07K014-47
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 74 OF 391 USPATFULL on STN
AN 2003:243794 USPATFULL
TI Death domain containing receptors
IN Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Gentz, Reiner L., Belo Horizonte, BRAZIL
Dillon, Patrick J., Carlsbad, CA, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003170203 A1 20030911
AI US 2002-189189 A1 20020705 (10)
RLI Continuation-in-part of Ser. No. US 2000-557908, filed on 21 Apr 2000,
PENDING Continuation-in-part of Ser. No. US 1997-815469, filed on 11 Mar
1997, GRANTED, Pat. No. US 6153402
PRAI US 2001-314314P 20010824 (60)
US 2001-303155P 20010706 (60)
US 1999-136741P 19990528 (60)
US 1999-130488P 19990422 (60)
US 1997-37341P 19970306 (60)

US 1996-13285P 19960312 (60)
DT Utility
FS APPLICATION
LN.CNT 9858
INCL INCLM: 424/085.100
INCLS: 424/145.100; 514/210.090; 514/011.000
NCL NCLM: 424/085.100
NCLS: 424/145.100; 514/210.090; 514/011.000
IC [7]
ICM: A61K039-395
ICS: A61K031-407; A61K038-19; A61K038-13
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 75 OF 391 USPATFULL on STN
AN 2003:243518 USPATFULL
TI Data relationship model
IN Sonmez, Kemal, Menlo Park, CA, UNITED STATES
Toll, Lawrence R., Redwood City, CA, UNITED STATES
Lincoln, Patrick Denis, Woodside, CA, UNITED STATES
Karp, Peter D., San Mateo, CA, UNITED STATES
PI US 2003169926 A1 20030911
AI US 2001-4580 A1 20011203 (10)
PRAI US 2000-250743P 20001201 (60)
DT Utility
FS APPLICATION
LN.CNT 1575
INCL INCLM: 382/219.000
INCLS: 382/228.000
NCL NCLM: 382/219.000
NCLS: 382/228.000
IC [7]
ICM: G06K009-68

L4 ANSWER 76 OF 391 USPATFULL on STN
AN 2003:240440 USPATFULL
TI CysteinyI protease inhibitors
IN Munoz, Benito, 10741 Frank Daniels Rd., San Diego, CA, United States
92131
Srinivasan, Kuman, 7693 Palmyra Dr., Apt. #2116, San Diego, CA, United
States 92122
Wang, Bowei, 7825 Roan Rd., San Diego, CA, United States 92129
PI US 6617426 B1 20030909
AI US 1999-338409 19990622 (9)
DT Utility
FS GRANTED
LN.CNT 2060
INCL INCLM: 530/331.000
INCLS: 514/018.000; 514/019.000
NCL NCLM: 530/331.000
NCLS: 514/018.000; 514/019.000
IC [7]
ICM: C07K005-08
EXF 530/331; 514/18; 514/19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 77 OF 391 USPATFULL on STN
AN 2003:239326 USPATFULL
TI Double transgenic mice overexpressing ***human*** beta secretase and
human APP-London
IN Jacobsen, Helmut, Schopfheim, GERMANY, FEDERAL REPUBLIC OF
Mosbach-Ozmen, Laurence, Saint-Louis, FRANCE
Nelboeck-Hochstetter, Peter, Basel, SWITZERLAND
PI US 2003167486 A1 20030904
AI US 2003-372730 A1 20030224 (10)
PRAI EP 2002-4331 20020301
DT Utility
FS APPLICATION
LN.CNT 2177
INCL INCLM: 800/012.000
INCLS: 800/014.000
NCL NCLM: 800/012.000
NCLS: 800/014.000
IC [7]
ICM: A01K067-027
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 78 OF 391 USPATFULL on STN
AN 2003:238559 USPATFULL
TI Hydroxy alkyl amines
IN Freskos, John, Clayton, MO, UNITED STATES
Brown, David L., Chesterfield, MO, UNITED STATES
Fobian, Yvette M., Wildwood, MO, UNITED STATES
Fang, Larry, Foster City, CA, UNITED STATES
Romero, Arthur Glenn, Kalamazoo, MI, UNITED STATES
John, Varghese, San Francisco, CA, UNITED STATES
PI US 2003166717 A1 20030904
AI US 2002-160777 A1 20020531 (10)
PRAI US 2001-343772P 20011228 (60)
US 2001-332639P 20011119 (60)
US 2001-295332P 20010601 (60)
DT Utility
FS APPLICATION
LN.CNT 10078
INCL INCLM: 514/526.000
INCLS: 514/629.000; 514/600.000; 514/601.000; 558/482.000; 564/095.000;
564/163.000; 564/503.000
NCL NCLM: 514/526.000
NCLS: 514/629.000; 514/600.000; 514/601.000; 558/482.000; 564/095.000;
564/163.000; 564/503.000
IC [7]
ICM: A61K031-275
ICS: A61K031-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 79 OF 391 USPATFULL on STN
AN 2003:238482 USPATFULL
TI Reverse-turn mimetics and methods relating thereto
IN Urban, Jan, Kirkland, WA, UNITED STATES
Nakanishi, Hiroshi, Newcastle, WA, UNITED STATES
Lee, Min S., Sammamish, WA, UNITED STATES
PA Molecumetics, Ltd., Bellevue, WA (U.S. corporation)
PI US 2003166640 A1 20030904
AI US 2002-150481 A1 20020516 (10)
PRAI US 2001-291663P 20010516 (60)
DT Utility
FS APPLICATION
LN.CNT 1913
INCL INCLM: 514/224.200
INCLS: 514/249.000; 514/250.000; 514/230.500; 435/007.100; 436/518.000;
544/095.000; 544/014.000; 544/350.000; 544/345.000
NCL NCLM: 514/224.200
NCLS: 514/249.000; 514/250.000; 514/230.500; 435/007.100; 436/518.000;
544/095.000; 544/014.000; 544/350.000; 544/345.000
IC [7]
ICM: G01N033-53
ICS: C07D498-04; C07D487-04; A61K031-542; A61K031-5383; A61K031-498

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 80 OF 391 USPATFULL on STN
AN 2003:238478 USPATFULL
TI Hydroxyalkanoylaminolactams and related structures as inhibitors of
A-beta protein production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
Liu, Hong, Glen Mills, PA, UNITED STATES
Thompson, Lorin A., Wilmington, DE, UNITED STATES
PI US 2003166636 A1 20030904
AI US 2002-287117 A1 20021104 (10)
RLI Division of Ser. No. US 2001-805645, filed on 14 Mar 2001, GRANTED, Pat.
No. US 6503902 Continuation-in-part of Ser. No. US 2000-661008, filed on
13 Sep 2000, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 6969
INCL INCLM: 514/212.080
INCLS: 514/183.000; 514/326.000; 514/327.000; 514/227.800; 514/235.500;
514/253.120; 540/524.000; 544/060.000; 544/360.000; 544/130.000;
546/207.000
NCL NCLM: 514/212.080
NCLS: 514/183.000; 514/326.000; 514/327.000; 514/227.800; 514/235.500;
514/253.120; 540/524.000; 544/060.000; 544/360.000; 544/130.000;
546/207.000

ICM: A61K031-55

ICS: A61K031-541; A61K031-5377; A61K031-496; A61K031-4545; A61K031-454;
C07D417-02; C07D413-02; C07D043-02; C07D041-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 81 OF 391 USPATFULL on STN

AN 2003:238422 USPATFULL

TI Substituted amino carboxamides for the treatment of alzheimer's disease

IN Warpehoski, Martha A., Portage, MI, UNITED STATES

Jagodzinska, Barbara, Redwood City, CA, UNITED STATES

PI US 2003166580 A1 20030904

AI US 2003-337075 A1 20030106 (10)

PRAI US 2002-345316P 20020104 (60)

US 2002-350419P 20020118 (60)

DT Utility

FS APPLICATION

LN.CNT 4157

INCL INCLM: 514/019.000

INCLS: 560/041.000; 546/335.000

NCL NCLM: 514/019.000

NCLS: 560/041.000; 546/335.000

IC [7]

ICM: A61K038-04

ICS: C07K005-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 82 OF 391 USPATFULL on STN

AN 2003:238400 USPATFULL

TI Synthetic immunogenic but non-deposit-forming polypeptides and peptides
homologous to amyloid beta, prion protein, amylin, alpha-synuclein, or
polyglutamine repeats for induction of an immune response thereto

IN Frangione, Blas, New York, NY, UNITED STATES

Wisniewski, Thomas, Statent Island, NY, UNITED STATES

Sigurdsson, Einar M., New York, NY, UNITED STATES

PA NEW YORK UNIVERSITY (U.S. corporation)

PI US 2003166558 A1 20030904

AI US 2002-301488 A1 20021121 (10)

PRAI US 2001-331801P 20011121 (60)

DT Utility

FS APPLICATION

LN.CNT 4966

INCL INCLM: 514/012.000

INCLS: 514/013.000; 514/014.000; 514/015.000; 530/324.000; 530/325.000;

530/327.000; 530/328.000; 530/326.000

NCL NCLM: 514/012.000

NCLS: 514/013.000; 514/014.000; 514/015.000; 530/324.000; 530/325.000;

530/327.000; 530/328.000; 530/326.000

IC [7]

ICM: A61K038-16

ICS: A61K038-10; A61K038-08; C07K014-00; C07K007-08; C07K007-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 83 OF 391 USPATFULL on STN

AN 2003:237862 USPATFULL

TI Monoclonal ***antibody***

IN Wiltfang, Jens, Eddigehausen, GERMANY, FEDERAL REPUBLIC OF

Dyrks, Thomas, Berlin, GERMANY, FEDERAL REPUBLIC OF

Monning, Ursula, Berlin, GERMANY, FEDERAL REPUBLIC OF

PI US 2003166019 A1 20030904

AI US 2002-170272 A1 20020611 (10)

PRAI EP 2001-114192 20010612

DT Utility

FS APPLICATION

LN.CNT 3683

INCL INCLM: 435/007.210

INCLS: 530/388.260

NCL NCLM: 435/007.210

NCLS: 530/388.260

IC [7]

ICM: G01N033-567

ICS: C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 84 OF 391 USPATFULL on STN

AN 2003:237706 USPATFULL

thereof
IN Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003165863 A1 20030904
AI US 2002-47855 A1 20020115 (10)
PRAI US 2001-262306P 20010116 (60)
DT Utility
FS APPLICATION
LN.CNT 4471
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/226.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/226.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-64; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 85 OF 391 USPATFULL on STN
AN 2003:237324 USPATFULL
TI Amyloid peptide inactivating enzyme to treat Alzheimer's disease
IN Hersh, Louis B., Lexington, KY, UNITED STATES
PI US 2003165481 A1 20030904
AI US 2002-159279 A1 20020603 (10)
RLI Division of Ser. No. US 2001-792079, filed on 26 Feb 2001, PENDING
PRAI US 2000-184826P 20000224 (60)
DT Utility
FS APPLICATION
LN.CNT 1712
INCL INCLM: 424/093.210
INCLS: 435/455.000; 435/368.000
NCL NCLM: 424/093.210
NCLS: 435/455.000; 435/368.000
IC [7]
ICM: A61K048-00
ICS: C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 86 OF 391 USPATFULL on STN
AN 2003:232056 USPATFULL
TI PTH1R and PTH3R receptors, methods and uses thereof
IN Juppner, Harald, Cambridge, MA, UNITED STATES
Rubin, David A., Needham, MA, UNITED STATES
PA The Massachusetts General Hospital (U.S. corporation)
PI US 2003162256 A1 20030828
AI US 2003-372095 A1 20030225 (10)
RLI Division of Ser. No. US 1999-449632, filed on 30 Nov 1999, GRANTED, Pat.
No. US 6541220
PRAI US 1998-110467P 19981130 (60)
DT Utility
FS APPLICATION
LN.CNT 2869
INCL INCLM: 435/069.100
INCLS: 514/012.000; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 514/012.000; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: A61K038-17
ICS: C07K014-72; C12P021-02; C12N005-06; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 87 OF 391 USPATFULL on STN
AN 2003:231986 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)
PI US 2003162186 A1 20030828
AI US 2002-154678 A1 20020522 (10)
PRAI US 2001-293574P 20010525 (60)
US 2001-298698P 20010615 (60)
US 2001-302277P 20010629 (60)
US 2001-305456P 20010713 (60)
DT Utility
FS APPLICATION

INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 88 OF 391 USPATFULL on STN
AN 2003:231625 USPATFULL
TI Therapeutic and cosmetic uses of heparanases
IN Ilan, Neta, Rehovot, ISRAEL
Vlodavsky, Israel, Mevaseret Zion, ISRAEL
Yacoby-Zeevi, Oron, Moshav Bizaron, ISRAEL
Pecker, Iris, Rishon LeZion, ISRAEL
Feinstein, Elena, Rehovot, ISRAEL
PI US 2003161823 A1 20030828
AI US 2003-341582 A1 20030114 (10)
RLI Continuation-in-part of Ser. No. US 2001-988113, filed on 19 Nov 2001,
PENDING Continuation of Ser. No. US 2001-776874, filed on 6 Feb 2001,
PENDING Continuation of Ser. No. US 1999-258892, filed on 1 Mar 1999,
ABANDONED Continuation-in-part of Ser. No. WO 1998-US17954, filed on 31
Aug 1998, PENDING Continuation-in-part of Ser. No. WO 2001-IL830, filed
on 5 Sep 2001, UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 7437
INCL INCLM: 424/094.610
INCLS: 435/006.000; 435/200.000
NCL NCLM: 424/094.610
NCLS: 435/006.000; 435/200.000
IC [7]
ICM: A61K038-47
ICS: C12Q001-68; C12N009-24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 89 OF 391 USPATFULL on STN
AN 2003:226348 USPATFULL
TI Substituted sapogenins and their use
IN Barraclough, Paul, Maidstone, UNITED KINGDOM
Hanson, Jim, Steyning, UNITED KINGDOM
Gunning, Phil, Grantchester, UNITED KINGDOM
Rees, Daryl, Sandy, UNITED KINGDOM
Xia, Zongqin, Shanghai, CHINA
Hu, Yaer, Shanghai, CHINA
PA PHYTOPHARM PLC. (non-U.S. corporation)
PI US 2003158161 A1 20030821
AI US 2002-189024 A1 20020703 (10)
RLI Continuation-in-part of Ser. No. WO 2001-GB48, filed on 8 Jan 2001,
UNKNOWN
PRAI GB 2000-228 20000106
DT Utility
FS APPLICATION
LN.CNT 2249
INCL INCLM: 514/173.000
INCLS: 514/172.000
NCL NCLM: 514/173.000
NCLS: 514/172.000
IC [7]
ICM: A61K031-58
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 90 OF 391 USPATFULL on STN
AN 2003:225892 USPATFULL
TI Reagents and methods for identifying and modulating expression of genes
regulated by CDK inhibitors
IN Roninson, Igor B., Wilmette, IL, UNITED STATES
Poole, Jason C., Chicago, IL, UNITED STATES
PI US 2003157704 A1 20030821
AI US 2002-233032 A1 20020829 (10)
PRAI US 2001-315791P 20010829 (60)
DT Utility
FS APPLICATION
LN.CNT 2044

NCL INCL: 435/006.000; 435/325.000; 435/235.100; 435/239.000; 435/005.000
NCLM: 435/320.100
NCLS: 435/006.000; 435/325.000; 435/235.100; 435/239.000; 435/005.000
IC [7]
ICM: C12Q001-70
ICS: C12Q001-68; C12N007-00; C12N007-01; C12N007-02; C12N015-00;
C12N015-09; C12N015-63; C12N015-70; C12N015-74; C12N005-00; C12N005-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 91 OF 391 USPATFULL on STN
AN 2003:225673 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE (non-U.S. corporation)
PI US 2003157485 A1 20030821
AI US 2001-992095 A1 20011113 (9)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-IB1715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 25484
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/226.000; 800/008.000;
536/023.200; 530/388.260; 435/007.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/226.000; 800/008.000;
536/023.200; 530/388.260; 435/007.200
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-567; A01K067-00; C07H021-04; C12N009-64;
C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 92 OF 391 USPATFULL on STN
AN 2003:220443 USPATFULL
TI Methods for producing pure perlecan and other heparan sulfate
proteoglycans
IN Castillo, Gerardo, Seattle, WA, UNITED STATES
Snow, Alan D., Lynnwood, WA, UNITED STATES
PI US 2003153734 A1 20030814
AI US 2002-323323 A1 20021218 (10)
RLI Continuation of Ser. No. US 2000-698518, filed on 26 Oct 2000, PENDING
Continuation of Ser. No. US 1998-36492, filed on 6 Mar 1998, ABANDONED
PRAI US 1997-38613P 19970306 (60)
DT Utility
FS APPLICATION
LN.CNT 2512
INCL INCLM: 530/370.000
INCLS: 530/395.000
NCL NCLM: 530/370.000
NCLS: 530/395.000
IC [7]
ICM: C07K014-47
ICS: C07K014-415
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 93 OF 391 USPATFULL on STN
AN 2003:220436 USPATFULL
TI Controlling protein levels in eucaryotic organisms
IN Kenten, John H., Boyds, MD, UNITED STATES
Roberts, Steven F., Bethesda, MD, UNITED STATES
PA Proteinix, Inc. (U.S. corporation)
PI US 2003153727 A1 20030814
AI US 2003-345281 A1 20030116 (10)
RLI Division of Ser. No. US 2001-880132, filed on 14 Jun 2001, GRANTED, Pat.
No. US 6559280 Division of Ser. No. US 1999-406781, filed on 28 Sep
1999, GRANTED, Pat. No. US 6306663
PRAI US 1999-119851P 19990212 (60)
DT Utility
FS APPLICATION

INCL INCLM: 530/323.000
INCLS: 435/106.000; 424/070.140; 530/330.000
NCL NCLM: 530/323.000
NCLS: 435/106.000; 424/070.140; 530/330.000
IC [7]
ICM: A61K007-06
ICS: A61K007-11; C12P013-04; C07K005-00; C07K007-00; C07K016-00;
C07K017-00; A61K038-00; A61K038-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 94 OF 391 USPATFULL on STN
AN 2003:219631 USPATFULL
TI Full-length ***human*** cDNAs encoding potentially secreted proteins
IN Dumas Milne Edwards, Jean-Baptiste, Paris, FRANCE
Bougueleret, Lydie, Petit Lancy, SWITZERLAND
Jobert, Severin, Paris, FRANCE
PI US 2003152921 A1 20030814
AI US 2001-876997 A1 20010608 (9)
RLI Continuation-in-part of Ser. No. US 2000-731872, filed on 7 Dec 2000,
PENDING
PRAI US 1999-169629P 19991208 (60)
US 2000-187470P 20000306 (60)
DT Utility
FS APPLICATION
LN.CNT 27600
INCL INCLM: 435/006.000
INCLS: 435/183.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/183.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C12N009-00; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 95 OF 391 USPATFULL on STN
AN 2003:214611 USPATFULL
TI Methods and compositions comprising Renilla GFP
IN Anderson, David, San Bruno, CA, UNITED STATES
Peelle, Beau, Sommerville, MA, UNITED STATES
PA Rigel Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003149254 A1 20030807
AI US 2002-133973 A1 20020424 (10)
RLI Continuation of Ser. No. US 2000-710058, filed on 10 Nov 2000, PENDING
PRAI US 2001-290287P 20010510 (60)
US 1999-164592P 19991110 (60)
DT Utility
FS APPLICATION
LN.CNT 5908
INCL INCLM: 536/023.100
INCLS: 435/006.000; 435/320.100; 435/325.000; 435/069.700; 530/350.000
NCL NCLM: 536/023.100
NCLS: 435/006.000; 435/320.100; 435/325.000; 435/069.700; 530/350.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C12P021-04; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 96 OF 391 USPATFULL on STN
AN 2003:213718 USPATFULL
TI Novel APP mutation associated with an unusual Alzheimer's disease
pathology
IN Cruts, Mare, Antwerpen, BELGIUM
Jonghe, Chris De, Edegem, BELGIUM
Singh, Samir Kumar, Edegem, BELGIUM
Broeckhoven, Christine van, Edegem, BELGIUM
PI US 2003148356 A1 20030807
AI US 2003-337970 A1 20030106 (10)
RLI Continuation of Ser. No. WO 2001-EP7830, filed on 6 Jul 2001, UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 1415
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/226.000; 435/252.300; 435/320.100; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/226.000; 435/252.300; 435/320.100; 536/023.200

ICM: C12Q001-68
ICS: C07H021-04; C12N009-64; C12N001-21; C12P021-02; C12N015-74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 97 OF 391 USPATFULL on STN
AN 2003:213627 USPATFULL
TI Phage displayed PDZ domain ligands
IN Held, Heike A., Oakland, CA, UNITED STATES
Lasky, Laurence A., Sausalito, CA, UNITED STATES
Laura, Richard P., San Bruno, CA, UNITED STATES
Sidhu, Sachdev S., San Francisco, CA, UNITED STATES
Wong, Wai Lee Tan, Los Altos, CA, UNITED STATES
Wu, Yan, Foster City, CA, UNITED STATES
PA GENENTECH, INC. (U.S. corporation)
PI US 2003148264 A1 20030807
AI US 2002-190082 A1 20020703 (10)
PRAI US 2001-303634P 20010706 (60)
DT Utility
FS APPLICATION
LN.CNT 8976
INCL INCLM: 435/005.000
INCLS: 435/007.100; 435/235.100; 536/023.720; 530/350.000
NCL NCLM: 435/005.000
NCLS: 435/007.100; 435/235.100; 536/023.720; 530/350.000
IC [7]

ICM: C12Q001-70
ICS: G01N033-53; C07H021-04; C12N007-00; C07K014-005
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 98 OF 391 USPATFULL on STN
AN 2003:207362 USPATFULL
TI High throughput functional genomics
IN Hickman, James J., Falls Church, VA, UNITED STATES
PI US 2003143720 A1 20030731
AI US 2002-286760 A1 20021104 (10)
RLI Division of Ser. No. US 2000-575377, filed on 22 May 2000, PENDING
PRAI US 1999-135275P 19990521 (60)
DT Utility
FS APPLICATION
LN.CNT 2781
INCL INCLM: 435/287.100
INCLS: 702/019.000; 205/777.500
NCL NCLM: 435/287.100
NCLS: 702/019.000; 205/777.500
IC [7]

ICM: G06F019-00
ICS: G01N033-48; G01N033-50; C12M001-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 99 OF 391 USPATFULL on STN
AN 2003:206852 USPATFULL
TI Targeted adenovirus vectors for delivery of heterologous genes
IN Vigne, Emmanuelle, L'Hay-Les-Roses, FRANCE
Dedieu, Jean-Francois, Paris, FRANCE
Latta, Martine, Charenton Le pont, FRANCE
Yeh, Patrice, Gif Sur Yvette, FRANCE
Perricaudet, Michel, Ecrosnes, FRANCE
PI US 2003143209 A1 20030731
AI US 2001-791524 A1 20010222 (9)
RLI Continuation of Ser. No. WO 1999-IB1524, filed on 27 Aug 1999, UNKNOWN
PRAI US 1998-98028P 19980827 (60)
DT Utility
FS APPLICATION
LN.CNT 3374
INCL INCLM: 424/093.210
INCLS: 435/235.100
NCL NCLM: 424/093.210
NCLS: 435/235.100
IC [7]

ICM: A61K048-00
ICS: C12N007-00; C12N007-01
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 100 OF 391 USPATFULL on STN
AN 2003:200784 USPATFULL

IN Birkett, Ashley J., Escondido, CA, UNITED STATES
PI US 2003138769 A1 20030724
AI US 2001-930915 A1 20010815 (9)
RLI Continuation-in-part of Ser. No. US 2000-226867, filed on 22 Aug 2000,
PENDING Continuation-in-part of Ser. No. US 2000-225843, filed on 16 Aug
2000, PENDING
DT Utility
FS APPLICATION
LN.CNT 6993
INCL INCLM: 435/005.000
INCLS: 530/350.000; 435/069.300; 435/325.000; 435/320.100
NCL NCLM: 435/005.000
NCLS: 530/350.000; 435/069.300; 435/325.000; 435/320.100
IC [7]
ICM: C12Q001-70
ICS: C12P021-02; C12N005-06; C07K014-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 101 OF 391 USPATFULL on STN
AN 2003:195233 USPATFULL
TI Novel gamma secretase inhibitors
IN Asberom, Theodoros, West Orange, NJ, UNITED STATES
Guzik, Henry S., Brooklyn, NY, UNITED STATES
Josien, Hubert B., Hoboken, NJ, UNITED STATES
Pissarnitski, Dmitri A., Scotch Plains, NJ, UNITED STATES
PA SCHERING CORPORATION (U.S. corporation)
PI US 2003135044 A1 20030717
AI US 2002-210829 A1 20020801 (10)
PRAI US 2002-355510P 20020206 (60)
US 2001-310013P 20010803 (60)
DT Utility
FS APPLICATION
LN.CNT 1170
INCL INCLM: 540/593.000
INCLS: 546/153.000; 548/494.000; 514/217.010; 514/312.000
NCL NCLM: 540/593.000
NCLS: 546/153.000; 548/494.000; 514/217.010; 514/312.000
IC [7]
ICM: A61K031-55
ICS: C07D215-16; A61K031-47; C07D209-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 102 OF 391 USPATFULL on STN
AN 2003:195030 USPATFULL
TI Succinoylamino lactams as inhibitors of A-beta protein production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
Maduskuie, Thomas P., Wilmington, DE, UNITED STATES
Thompson, Lorin Andrew, Wilmington, DE, UNITED STATES
PI US 2003134841 A1 20030717
AI US 2002-285776 A1 20021101 (10)
RLI Division of Ser. No. US 2000-506360, filed on 17 Feb 2000, PENDING
Continuation-in-part of Ser. No. US 1999-370089, filed on 6 Aug 1999,
ABANDONED
PRAI US 1999-120227P 19990215 (60)
US 1998-113558P 19981223 (60)
US 1998-95698P 19980807 (60)
DT Utility
FS APPLICATION
LN.CNT 11008
INCL INCLM: 514/212.080
INCLS: 514/316.000; 514/326.000; 514/327.000; 514/422.000; 514/212.030;
514/424.000; 540/524.000; 540/527.000; 546/188.000; 546/207.000;
546/216.000; 548/518.000; 548/550.000
NCL NCLM: 514/212.080
NCLS: 514/316.000; 514/326.000; 514/327.000; 514/422.000; 514/212.030;
514/424.000; 540/524.000; 540/527.000; 546/188.000; 546/207.000;
546/216.000; 548/518.000; 548/550.000
IC [7]
ICM: A61K031-55
ICS: A61K031-4545; A61K031-454; A61K031-4025; A61K031-4015; C07D043-02;
C07D041-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 103 OF 391 USPATFULL on STN
AN 2003:194610 USPATFULL

elegans-like protein polypeptides

IN Shimkets, Richard A., West Haven, CT, UNITED STATES
 Fernandes, Elma, Branford, CT, UNITED STATES
 Herrman, John, Guilford, CT, UNITED STATES
 Vernet, Corine, Gainesville, FL, UNITED STATES

PA CuraGen Corporation, New Haven, CT (U.S. corporation)

PI US 2003134430 A1 20030717

AI US 2001-977751 A1 20011015 (9)

RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING

PRAI US 2000-201388P 20000503 (60)
 US 2000-193086P 20000330 (60)
 US 2000-191158P 20000322 (60)
 US 2000-189810P 20000316 (60)
 US 1999-137322P 19990603 (60)

DT Utility

FS APPLICATION

LN.CNT 10285

INCL INCLM: 436/518.000
 INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 436/518.000
 NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; C07K014-435; G01N033-543; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 104 OF 391 USPATFULL on STN

AN 2003:188691 USPATFULL

TI Inhibitors and disassemblers of fibrillogenesis

IN Gordon, David J., Chicago, IL, UNITED STATES
 Meredith, Stephen C., Chicago, IL, UNITED STATES

PI US 2003130484 A1 20030710

AI US 2002-103658 A1 20020320 (10)

PRAI US 2001-277477P 20010320 (60)

DT Utility

FS APPLICATION

LN.CNT 4503

INCL INCLM: 530/350.000
 INCLS: 514/012.000; 435/007.100

NCL NCLM: 530/350.000
 NCLS: 514/012.000; 435/007.100

IC [7]
 ICM: A61K038-17
 ICS: C07K014-435; G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 105 OF 391 USPATFULL on STN

AN 2003:188458 USPATFULL

TI Amino lactam sulfonamides as inhibitors of A-beta protein production

IN Thompson, Lorin A., Wilmington, DE, UNITED STATES
 Han, Amy Qi, Hockessin, DE, UNITED STATES

PI US 2003130251 A1 20030710

AI US 2002-287367 A1 20021104 (10)

RLI Division of Ser. No. US 2000-684718, filed on 7 Oct 2000, GRANTED, Pat.
 No. US 6503901

PRAI US 1999-158565P 19991008 (60)

DT Utility

FS APPLICATION

LN.CNT 4917

INCL INCLM: 514/183.000
 INCLS: 514/212.080; 514/227.800; 514/231.500; 514/253.130; 514/254.010;
 514/326.000; 514/327.000; 514/422.000; 514/424.000; 540/524.000;
 544/060.000; 544/130.000; 544/141.000; 544/360.000; 544/372.000;
 546/207.000; 546/243.000; 548/517.000; 548/543.000

NCL NCLM: 514/183.000
 NCLS: 514/212.080; 514/227.800; 514/231.500; 514/253.130; 514/254.010;
 514/326.000; 514/327.000; 514/422.000; 514/424.000; 540/524.000;
 544/060.000; 544/130.000; 544/141.000; 544/360.000; 544/372.000;
 546/207.000; 546/243.000; 548/517.000; 548/543.000

IC [7]
 ICM: A61K031-55
 ICS: A61K031-541; A61K031-5377; A61K031-496; A61K031-4439; A61K031-454;
 C07D417-02; C07D413-02; C07D043-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:188395 USPATFULL
TI Heterocyclic compounds, pharmaceutical compositions comprising same, and
methods for inhibiting ***beta*** - ***amyloid*** peptide release
and/or its synthesis by use of such compounds
IN Thorsett, Eugene D., Moss Beach, CA, UNITED STATES
Porter, Warren J., Indianapolis, IN, UNITED STATES
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES
Latimer, Lee H., Oakland, CA, UNITED STATES
Audia, James E., Indianapolis, IN, UNITED STATES
Droste, James, Indianapolis, IN, UNITED STATES
PI US 2003130188 A1 20030710
AI US 2002-246558 A1 20020919 (10)
RLI Division of Ser. No. US 1998-32019, filed on 27 Feb 1998, PENDING
DT Utility
FS APPLICATION
LN.CNT 11320
INCL INCLM: 514/012.000
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;
514/018.000; 514/019.000; 514/400.000; 514/419.000
NCL NCLM: 514/012.000
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;
514/018.000; 514/019.000; 514/400.000; 514/419.000
IC [7]
ICM: A61K038-10
ICS: A61K038-08; A61K038-06; A61K038-05; A61K031-4172; A61K031-405
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 107 OF 391 USPATFULL on STN
AN 2003:181532 USPATFULL
TI Hydroxypropylamines
IN Fisher, Jed F., Kalamazoo, MI, UNITED STATES
Jacobs, Jon S., Kalamazoo, MI, UNITED STATES
Sherer, Brian, Ballston Spa, NY, UNITED STATES
PI US 2003125365 A1 20030703
AI US 2002-264707 A1 20021004 (10)
PRAI US 2001-327149P 20011004 (60)
US 2001-334058P 20011128 (60)
DT Utility
FS APPLICATION
LN.CNT 4089
INCL INCLM: 514/374.000
INCLS: 514/602.000; 514/617.000; 548/215.000; 564/176.000; 564/084.000;
564/503.000
NCL NCLM: 514/374.000
NCLS: 514/602.000; 514/617.000; 548/215.000; 564/176.000; 564/084.000;
564/503.000
IC [7]
ICM: A61K031-421
ICS: A61K031-165; C07D263-02; C07C311-15
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 108 OF 391 USPATFULL on STN
AN 2003:181424 USPATFULL
TI Assay for identifying beta secretase inhibitors
IN Brockhaus, Manfred, Bettingen, SWITZERLAND
Doebeli, Heinz, Ziefen, SWITZERLAND
Grueninger, Fiona, Arlesheim, SWITZERLAND
Huguenin, Philipp, Liestal, SWITZERLAND
Kits, Eric Argirios, Aesch, SWITZERLAND
Nelboeck-Hochstetter, Peter, Basel, SWITZERLAND
PI US 2003125257 A1 20030703
AI US 2002-322684 A1 20021218 (10)
PRAI EP 2001-130282 20011220
DT Utility
FS APPLICATION
LN.CNT 1045
INCL INCLM: 514/012.000
INCLS: 514/013.000; 514/014.000; 514/015.000; 435/023.000; 435/184.000
NCL NCLM: 514/012.000
NCLS: 514/013.000; 514/014.000; 514/015.000; 435/023.000; 435/184.000
IC [7]
ICM: A61K038-55
ICS: C12Q001-37; C12N009-99
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:174039 USPATFULL
TI Lactacystin analogs
IN Schreiber, Stuart L., Boston, MA, UNITED STATES
Standaert, Robert F., Bryan, TX, UNITED STATES
Fenteany, Gabriel, Cambridge, MA, UNITED STATES
Jamison, Timothy F., Cambridge, MA, UNITED STATES
PI US 2003119887 A1 20030626
AI US 2001-924993 A1 20010808 (9)
RLI Continuation of Ser. No. US 1998-945092, filed on 26 Jan 1998, PENDING A
371 of International Ser. No. WO 1996-US5072, filed on 12 Apr 1996,
PENDING Continuation-in-part of Ser. No. US 1995-421583, filed on 12 Apr
1995, GRANTED, Pat. No. US 6335358
DT Utility
FS APPLICATION
LN.CNT 3836
INCL INCLM: 514/369.000
INCLS: 514/376.000; 514/386.000; 514/409.000; 514/424.000; 514/438.000;
514/471.000; 514/473.000; 548/182.000; 548/190.000; 548/229.000;
548/233.000; 548/316.400; 548/321.500; 548/543.000; 548/558.000;
549/062.000; 549/321.000
NCL NCLM: 514/369.000
NCLS: 514/376.000; 514/386.000; 514/409.000; 514/424.000; 514/438.000;
514/471.000; 514/473.000; 548/182.000; 548/190.000; 548/229.000;
548/233.000; 548/316.400; 548/321.500; 548/543.000; 548/558.000;
549/062.000; 549/321.000
IC [7]
ICM: C07D333-32
ICS: C07D333-34; C07D277-12; C07D277-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 110 OF 391 USPATFULL on STN
AN 2003:173967 USPATFULL
TI Lactams substituted by cyclic succinates as inhibitors of A-beta protein
production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
PI US 2003119815 A1 20030626
AI US 2002-287099 A1 20021104 (10)
RLI Division of Ser. No. US 2001-871840, filed on 1 Jun 2001, GRANTED, Pat.
No. US 6509333
PRAI US 2000-208536P 20000601 (60)
DT Utility
FS APPLICATION
LN.CNT 6497
INCL INCLM: 514/212.030
INCLS: 514/212.080; 514/183.000; 514/327.000; 514/326.000; 540/451.000;
540/524.000; 540/527.000; 546/207.000; 546/216.000
NCL NCLM: 514/212.030
NCLS: 514/212.080; 514/183.000; 514/327.000; 514/326.000; 540/451.000;
540/524.000; 540/527.000; 546/207.000; 546/216.000
IC [7]
ICM: A61K031-55
ICS: A61K031-454; C07D043-02; C07D041-02; C07D223-12; C07D211-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 111 OF 391 USPATFULL on STN
AN 2003:173922 USPATFULL
TI Intercellular delivery of a herpes simplex virus VP22 fusion protein
from cells infected with lentiviral vectors
IN Lai, Zhennan, N. Potomac, MD, UNITED STATES
Reiser, Jakob, New Orleans, LA, UNITED STATES
Brady, Roscoe O., Rockville, MD, UNITED STATES
PI US 2003119770 A1 20030626
AI US 2002-212634 A1 20020802 (10)
PRAI US 2001-310012P 20010802 (60)
DT Utility
FS APPLICATION
LN.CNT 2103
INCL INCLM: 514/044.000
INCLS: 424/093.200; 435/456.000; 435/320.100; 435/235.100
NCL NCLM: 514/044.000
NCLS: 424/093.200; 435/456.000; 435/320.100; 435/235.100
IC [7]
ICM: A61K048-00
ICS: C12N007-00; C12N015-867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 112 OF 391 USPATFULL on STN
AN 2003:165862 USPATFULL
TI Directed evolution of novel binding proteins
IN Ladner, Robert Charles, Ijamsville, MD, UNITED STATES
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES
Markland, William, Milford, MA, UNITED STATES
Ley, Arthur Charles, Newton, MA, UNITED STATES
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES
PI US 2003113717 A1 20030619
AI US 2001-893878 A1 20010629 (9)
RLI Continuation of Ser. No. US 1997-993776, filed on 18 Dec 1997, PENDING
Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED
Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED
Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED
Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,
ABANDONED continuation-in-part of Ser. No. US 1988-240160, filed on 2
Sep 1988, ABANDONED
PRAI WO 1989-US3731 19890901
DT Utility
FS APPLICATION
LN.CNT 15933
INCL INCLM: 435/006.000
INCLS: 435/007.200; 435/455.000; 435/091.200
NCL NCLM: 435/006.000
NCLS: 435/007.200; 435/455.000; 435/091.200
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-567; C12P019-34; C12N015-87
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 113 OF 391 USPATFULL on STN
AN 2003:159944 USPATFULL
TI N-(3-amino-2-hydroxy-propyl)substituted alkylamide compounds
IN Gailunas, Andrea, Burlingame, CA, UNITED STATES
Tucker, John A., San Mateo, CA, UNITED STATES
TenBrink, Ruth, Kalamazoo, MI, UNITED STATES
Mickelson, John, Mattawan, MI, UNITED STATES
PI US 2003109559 A1 20030612
AI US 2002-193044 A1 20020711 (10)
PRAI US 2001-341341P 20011217 (60)
US 2002-380574P 20020514 (60)
US 2001-308756P 20010730 (60)
US 2001-341416P 20011217 (60)
US 2001-344872P 20011221 (60)
US 2001-304525P 20010711 (60)
DT Utility
FS APPLICATION
LN.CNT 5746
INCL INCLM: 514/357.000
INCLS: 514/408.000; 514/617.000; 514/114.000; 514/517.000; 514/521.000;
514/563.000; 514/603.000; 548/567.000; 548/413.000; 546/330.000;
546/336.000; 558/166.000; 558/167.000; 558/414.000; 564/152.000
NCL NCLM: 514/357.000
NCLS: 514/408.000; 514/617.000; 514/114.000; 514/517.000; 514/521.000;
514/563.000; 514/603.000; 548/567.000; 548/413.000; 546/330.000;
546/336.000; 558/166.000; 558/167.000; 558/414.000; 564/152.000
IC [7]
ICM: A61K031-66
ICS: A61K031-44; A61K031-40; A61K031-277; A61K031-198; A61K031-165;
A61K031-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 114 OF 391 USPATFULL on STN
AN 2003:159842 USPATFULL
TI Multi-component antioxidant compounds, pharmaceutical compositions
containing same and their use for reducing or preventing oxidative
stress
IN Atlas, Daphne, Jerusalem, ISRAEL
PA Yisum Research Development Company of the Hebrew University of
Jerusalem (non-U.S. corporation)
PI US 2003109457 A1 20030612
AI US 2002-234319 A1 20020905 (10)
PRAI WO 2001-IL984 20011025
DT Utility

LN.CNT 1867
INCL INCLM: 514/018.000
INCLS: 514/017.000; 530/330.000; 530/331.000
NCL NCLM: 514/018.000
NCLS: 514/017.000; 530/330.000; 530/331.000
IC [7]
ICM: A61K038-06
ICS: A61K038-05; C07K005-06; C07K005-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 115 OF 391 USPATFULL on STN
AN 2003:159365 USPATFULL
TI Whole cell assay systems for cell surface proteases
IN Ciambrone, Gary J., Redwood City, CA, UNITED STATES
Gibbons, Ian, Portola Valley, CA, UNITED STATES
PI US 2003108978 A1 20030612
AI US 2002-281458 A1 20021025 (10)
PRAI US 2001-337641P 20011025 (60)
DT Utility
FS APPLICATION
LN.CNT 2061
INCL INCLM: 435/024.000
INCLS: 435/810.000
NCL NCLM: 435/024.000
NCLS: 435/810.000
IC [7]
ICM: C12Q001-37
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 116 OF 391 USPATFULL on STN
AN 2003:159291 USPATFULL
TI Novel scavenger receptors
IN Wakamiya, Nobutaka, Hokkaido, JAPAN
PI US 2003108904 A1 20030612
AI US 2002-203860 A1 20020930 (10)
WO 2001-JP874 20010208
PRAI JP 2000-35155 20000214
JP 2000-309068 20001010
DT Utility
FS APPLICATION
LN.CNT 3200
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-705
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 117 OF 391 USPATFULL on STN
AN 2003:158903 USPATFULL
TI Death domain containing receptor 4
IN Ni, Jian, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Pan, James G., Belmont, CA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Dixit, Vishva M., Los Altos Hills, CA, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)
PI US 2003108516 A1 20030612
AI US 2002-175902 A1 20020621 (10)
RLI Division of Ser. No. US 2000-565918, filed on 5 May 2000, GRANTED, Pat.
No. US 6433147 Division of Ser. No. US 1998-13895, filed on 27 Jan 1998,
GRANTED, Pat. No. US 6342363
PRAI US 1999-132922P 19990506 (60)
US 1997-37829P 19970205 (60)
US 1997-35722P 19970128 (60)
DT Utility
FS APPLICATION
LN.CNT 9230
INCL INCLM: 424/085.100
INCLS: 424/155.100; 514/012.000
NCL NCLM: 424/085.100
NCLS: 424/155.100; 514/012.000
IC [7]

ICS: A61K038-19; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 118 OF 391 USPATFULL on STN
AN 2003:152699 USPATFULL
TI Method of reducing cellular production of amyloid beta
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES
Bienkowski, Michael J., Portage, MI, UNITED STATES
Heinrikson, Robert L., Plainwell, MI, UNITED STATES
Parodi, Luis A., Stockholm, SWEDEN
Yan, Riqiang, Kalamazoo, MI, UNITED STATES
PI US 2003104365 A1 20030605
AI US 2000-548366 A1 20000412 (9)
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999,
ABANDONED Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23
Sep 1999, UNKNOWN
PRAI US 1998-101594P 19980924 (60)
US 1999-155493P 19990923 (60)
DT Utility
FS APPLICATION
LN.CNT 5578
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/226.000; 435/320.100; 435/368.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/226.000; 435/320.100; 435/368.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-64; C12N005-08; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 119 OF 391 USPATFULL on STN
AN 2003:146795 USPATFULL
TI 5-hydroxysapogenin derivatives with anti-dementia activity
IN Barraclough, Paul, Maidstone, UNITED KINGDOM
Hanson, Jim, Steyning, UNITED KINGDOM
Gunning, Phil, Grantchester, UNITED KINGDOM
Rees, Daryl, Sandy, UNITED KINGDOM
Xia, Zongqin, Shanghai, CHINA
Hu, Yaer, Shanghai, CHINA
PI US 2003100542 A1 20030529
AI US 2002-108737 A1 20020328 (10)
RLI Continuation-in-part of Ser. No. WO 2000-GB3750, filed on 29 Sep 2000,
UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 887
INCL INCLM: 514/172.000
NCL NCLM: 514/172.000
IC [7]
ICM: A61K031-58
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 120 OF 391 USPATFULL on STN
AN 2003:146345 USPATFULL
TI Metalloprotease-disintegrin ADAM23 (SVPH3-17)
IN Cerretti, Douglas P., Seattle, WA, UNITED STATES
PA Immunex Corporation (U.S. corporation)
PI US 2003100091 A1 20030529
AI US 2002-202675 A1 20020723 (10)
RLI Division of Ser. No. US 634252, PENDING Continuation of Ser. No. WO
1999-US3016, filed on 11 Feb 1999, PENDING
PRAI US 1998-74310P 19980211 (60)
DT Utility
FS APPLICATION
LN.CNT 3070
INCL INCLM: 435/196.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/196.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12N009-16
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:146281 USPATFULL
TI Methods and compositions using coiled binding partners
IN Colyer, John, West Yorkshire, UNITED KINGDOM
Lightowler, Joanne, York, UNITED KINGDOM
PI US 2003100027 A1 20030529
AI US 2000-491614 A1 20000126 (9)
RLI Continuation-in-part of Ser. No. US 1999-259474, filed on 26 Feb 1999,
ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2588
INCL INCLM: 435/007.400
NCL NCLM: 435/007.400
IC [7]
ICM: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 122 OF 391 USPATFULL on STN
AN 2003:145900 USPATFULL
TI CD40 ligand and CD40 agonist compositions and methods of use
IN Ahuja, Seema A., San Antonio, TX, UNITED STATES
Bonewald, Lynda F., San Antonio, TX, UNITED STATES
PA Board of Regents, The University of Texas System (U.S. corporation)
PI US 2003099644 A1 20030529
AI US 2002-242212 A1 20020912 (10)
RLI Division of Ser. No. US 2000-645926, filed on 24 Aug 2000, GRANTED, Pat.
No. US 6482411
PRAI US 1999-151250P 19990827 (60)
DT Utility
FS APPLICATION
LN.CNT 5263
INCL INCLM: 424/144.100
INCLS: 514/012.000
NCL NCLM: 424/144.100
NCLS: 514/012.000
IC [7]
ICM: A61K039-395
ICS: A61K038-17

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 123 OF 391 USPATFULL on STN
AN 2003:140906 USPATFULL
TI Methods and compositions for the treatment of diseases associated with
signal transduction aberrations
IN Holoshitz, Joseph, Ann Arbor, MI, UNITED STATES
Ling, Song, Ann Arbor, MI, UNITED STATES
PA The Regents of The University of Michigan (U.S. corporation)
PI US 2003096748 A1 20030522
AI US 2002-161959 A1 20020603 (10)
PRAI US 2001-295691P 20010604 (60)
DT Utility
FS APPLICATION
LN.CNT 2986
INCL INCLM: 514/012.000
INCLS: 530/359.000
NCL NCLM: 514/012.000
NCLS: 530/359.000
IC [7]
ICM: A61K038-17

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 124 OF 391 USPATFULL on STN
AN 2003:140551 USPATFULL
TI 21163, a novel ***human*** prolyl oligopeptidase and uses therefor
IN Hunter, John Joseph, Somerville, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003096392 A1 20030522
AI US 2001-25950 A1 20011219 (10)
PRAI US 2000-257736P 20001222 (60)
DT Utility
FS APPLICATION
LN.CNT 4648
INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/006.000; 435/226.100; 435/226.200; 435/226.300; 435/226.400; 435/226.500; 435/226.600; 435/226.700; 435/226.800; 435/226.900; 435/227.000; 435/227.100; 435/227.200; 435/227.300; 435/227.400; 435/227.500; 435/227.600; 435/227.700; 435/227.800; 435/227.900; 435/228.000; 435/228.100; 435/228.200; 435/228.300; 435/228.400; 435/228.500; 435/228.600; 435/228.700; 435/228.800; 435/228.900; 435/229.000; 435/229.100; 435/229.200; 435/229.300; 435/229.400; 435/229.500; 435/229.600; 435/229.700; 435/229.800; 435/229.900; 435/230.000; 435/230.100; 435/230.200; 435/230.300; 435/230.400; 435/230.500; 435/230.600; 435/230.700; 435/230.800; 435/230.900; 435/231.000; 435/231.100; 435/231.200; 435/231.300; 435/231.400; 435/231.500; 435/231.600; 435/231.700; 435/231.800; 435/231.900; 435/232.000; 435/232.100; 435/232.200; 435/232.300; 435/232.400; 435/232.500; 435/232.600; 435/232.700; 435/232.800; 435/232.900; 435/233.000; 435/233.100; 435/233.200; 435/233.300; 435/233.400; 435/233.500; 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IC NCLS: 435/069.100; 435/006.000; 435/320.100; 435/325.000; 536/023.200
[7]
ICM: C12N009-64
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 125 OF 391 USPATFULL on STN
AN 2003:140515 USPATFULL
TI Novel G-protein-coupled receptor like proteins and polynucleotides
encoded by them, and methods of using same
IN Ozenberger, Bradley A., Newtown, PA, UNITED STATES
Kajkowski, Eileen M., Ringoes, NJ, UNITED STATES
Lo, Ching-Hsiung Frederick, Pennington, NJ, UNITED STATES
Sofia, Heidi, Walla Walla, WA, UNITED STATES
PA Wyeth, Madison, NJ (U.S. corporation)
PI US 2003096356 A1 20030522
AI US 2002-199881 A1 20020718 (10)
RLI Continuation of Ser. No. US 2001-833503, filed on 12 Apr 2001, PENDING
PRAI WO 1999-US21621 19991013
US 1998-104104P 19981013 (60)
DT Utility
FS APPLICATION
LN.CNT 1744
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C07K014-705
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 126 OF 391 USPATFULL on STN
AN 2003:140406 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003096247 A1 20030522
AI US 2001-986 A1 20011114 (10)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-IB1715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 25656
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 800/008.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 800/008.000
IC [7]
ICM: C12Q001-68
ICS: A01K067-00; C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 127 OF 391 USPATFULL on STN
AN 2003:135733 USPATFULL
TI Transgenic animal model of neurodegenerative disorders
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
Westaway, David, Etobicoke, CANADA
PI US 2003093822 A1 20030515
AI US 2001-884629 A1 20010619 (9)
PRAI US 2000-212534P 20000620 (60)
DT Utility
FS APPLICATION
LN.CNT 1380
INCL INCLM: 800/018.000
INCLS: 800/012.000
NCL NCLM: 800/018.000

IC [7]
ICM: A01K067-027

L4 ANSWER 128 OF 391 USPATFULL on STN
AN 2003:134658 USPATFULL
TI Aminediols for the treatment of Alzheimer's disease
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES
Chrusciel, Robert Alan, Portage, MI, UNITED STATES
PI US 2003092747 A1 20030515
AI US 2002-171343 A1 20020613 (10)
PRAI US 2001-297827P 20010613 (60)
US 2001-333084P 20011119 (60)
DT Utility
FS APPLICATION
LN.CNT 4779
INCL INCLM: 514/357.000
INCLS: 514/428.000; 514/651.000; 514/620.000; 514/603.000; 514/522.000;
514/534.000; 546/329.000; 546/330.000; 548/561.000; 558/415.000;
560/037.000; 564/355.000; 564/086.000; 564/164.000
NCL NCLM: 514/357.000
NCLS: 514/428.000; 514/651.000; 514/620.000; 514/603.000; 514/522.000;
514/534.000; 546/329.000; 546/330.000; 548/561.000; 558/415.000;
560/037.000; 564/355.000; 564/086.000; 564/164.000

IC [7]
ICM: A61K031-44
ICS: A61K031-40; A61K031-277; A61K031-165; A61K031-137; A61K031-24;
A61K031-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 129 OF 391 USPATFULL on STN
AN 2003:134570 USPATFULL
TI Antisense compounds which prevent cell death and uses thereof
IN Troy, Carol M., Hastings-on-Hudson, NY, UNITED STATES
Shelanski, Michael L., Brooklyn, NY, UNITED STATES
PI US 2003092659 A1 20030515
AI US 2002-185084 A1 20020628 (10)
RLI Continuation of Ser. No. US 1999-397711, filed on 3 Sep 1999, PENDING
Continuation of Ser. No. WO 1998-US4128, filed on 3 Mar 1998, PENDING
Continuation-in-part of Ser. No. US 1997-810540, filed on 3 Mar 1997,
GRANTED, Pat. No. US 5929042
DT Utility
FS APPLICATION
LN.CNT 1113
INCL INCLM: 514/044.000
INCLS: 514/014.000; 536/023.100; 530/326.000
NCL NCLM: 514/044.000
NCLS: 514/014.000; 536/023.100; 530/326.000

IC [7]
ICM: A61K048-00
ICS: A61K038-10; C07H021-04; C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 130 OF 391 USPATFULL on STN
AN 2003:134541 USPATFULL
TI Inhibitors of memapsin 2 and use thereof
IN Tang, Jordan J. N., Edmond, OK, UNITED STATES
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES
Ghosh, Arun K., River Forest, IL, UNITED STATES
PA Oklahoma Medical Research Foundation, Oklahoma City, OK (U.S.
corporation)
PI US 2003092629 A1 20030515
AI US 2001-32818 A1 20011228 (10)
PRAI US 2001-275756P 20010314 (60)
US 2000-258705P 20001228 (60)
DT Utility
FS APPLICATION
LN.CNT 2203
INCL INCLM: 514/013.000
INCLS: 530/326.000
NCL NCLM: 514/013.000
NCLS: 530/326.000

IC [7]
ICM: A61K038-10
ICS: C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 131 OF 391 USPATFULL on STN
 AN 2003:134526 USPATFULL
 TI ADPI-41, a novel protein isolated from brain tissue homogenate and uses therefor
 IN Herath, Herath Mudiyanseelage Athula Chandrasiri, Abingdon, UNITED KINGDOM
 Parekh, Rajesh Bhikhu, Near Wendlebury, UNITED KINGDOM
 Rohlf, Christian, Oxford, UNITED KINGDOM
 Terrett, Jonathan Alexander, Abingdon, UNITED KINGDOM
 Tyson, Kerry Louise, Caversham, UNITED KINGDOM
 PI US 2003092614 A1 20030515
 AI US 2001-14338 A1 20011210 (10)
 PRAI US 2000-254431P 20001208 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 4183
 INCL INCLM: 514/012.000
 INCLS: 530/350.000; 435/069.700; 435/325.000; 435/320.100; 536/023.500
 NCL NCLM: 514/012.000
 NCLS: 530/350.000; 435/069.700; 435/325.000; 435/320.100; 536/023.500
 IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; A61K038-17; C07K014-435; C07H021-04
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 132 OF 391 USPATFULL on STN
 AN 2003:133985 USPATFULL
 TI Genetic construct intracellular monitoring system
 IN Zhao, Sharon, Union City, CA, UNITED STATES
 Vainshtein, Inna, Palo Alto, CA, UNITED STATES
 Eglen, Richard, Los Altos, CA, UNITED STATES
 PI US 2003092070 A1 20030515
 AI US 2002-229747 A1 20020827 (10)
 PRAI US 2001-316428P 20010830 (60)
 US 2001-343156P 20011021 (60)
 US 2002-353086P 20020130 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1578
 INCL INCLM: 435/007.200
 INCLS: 435/200.000; 435/207.000
 NCL NCLM: 435/007.200
 NCLS: 435/200.000; 435/207.000
 IC [7]
 ICM: G01N033-53
 ICS: G01N033-567; C12N009-24; C12N009-38
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 133 OF 391 USPATFULL on STN
 AN 2003:133926 USPATFULL
 TI ***Human*** cDNAs and proteins and uses thereof
 IN Bejanin, Stephane, Paris, FRANCE
 Tanaka, Hiroaki, Antony, FRANCE
 PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
 PI US 2003092011 A1 20030515
 AI US 2001-489 A1 20011114 (10)
 RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
 PRAI WO 2001-IB1715 20010806
 US 2001-305456P 20010713 (60)
 US 2001-302277P 20010629 (60)
 US 2001-298698P 20010615 (60)
 US 2001-293574P 20010525 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 25607
 INCL INCLM: 435/006.000
 INCLS: 800/003.000; 435/007.900; 435/183.000; 435/069.100; 435/320.100;
 435/325.000; 536/023.200
 NCL NCLM: 435/006.000
 NCLS: 800/003.000; 435/007.900; 435/183.000; 435/069.100; 435/320.100;
 435/325.000; 536/023.200
 IC [7]
 ICM: C12Q001-68
 ICS: G01N033-53; G01N033-542; C07H021-04; C12N009-00; C12P021-02;
 C12N005-06

L4 ANSWER 134 OF 391 USPATFULL on STN
AN 2003:127194 USPATFULL
TI Peptides and pharmaceutical compositions thereof for treatment of disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits
IN Soto-Jara, Claudio, New York, NY, UNITED STATES
Baumann, Marc H., Helsinki, FINLAND
Frangione, Blas, New York, NY, UNITED STATES
PA New York University, New York, NY (U.S. corporation)
PI US 2003087407 A1 20030508
AI US 2002-235483 A1 20020906 (10)
RLI Continuation of Ser. No. US 1996-766596, filed on 12 Dec 1996, GRANTED, Pat. No. US 6462171 Continuation-in-part of Ser. No. US 1996-630645, filed on 10 Apr 1996, GRANTED, Pat. No. US 5948763 Continuation-in-part of Ser. No. US 1995-478326, filed on 7 Jun 1995, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 1973
INCL INCLM: 435/184.000
INCLS: 435/069.200; 435/320.100; 435/325.000
NCL NCLM: 435/184.000
NCLS: 435/069.200; 435/320.100; 435/325.000
IC [7]
ICM: C12N009-99
ICS: C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 135 OF 391 USPATFULL on STN
AN 2003:121034 USPATFULL
TI Substituted alcohols useful in treatment of Alzheimer's disease
IN John, Varghese, San Francisco, CA, UNITED STATES
Hom, Roy, San Francisco, CA, UNITED STATES
Tucker, John, San Mateo, CA, UNITED STATES
PI US 2003083518 A1 20030501
AI US 2002-183126 A1 20020627 (10)
PRAI US 2001-301210P 20010627 (60)
US 2001-323396P 20010918 (60)
US 2001-332736P 20011119 (60)
DT Utility
FS APPLICATION
LN.CNT 3285
INCL INCLM: 558/390.000
INCLS: 560/037.000; 564/355.000
NCL NCLM: 558/390.000
NCLS: 560/037.000; 564/355.000
IC [7]
ICM: C07C255-58
ICS: C07C317-26; C07C229-52; C07C215-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 136 OF 391 USPATFULL on STN
AN 2003:120872 USPATFULL
TI Statine derivatives for the treatment of Alzheimer's disease
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES
Chrusciel, Robert Alan, Portage, MI, UNITED STATES
PI US 2003083356 A1 20030501
AI US 2002-192424 A1 20020710 (10)
PRAI US 2001-304128P 20010710 (60)
US 2001-327424P 20011005 (60)
DT Utility
FS APPLICATION
LN.CNT 4084
INCL INCLM: 514/357.000
INCLS: 514/428.000; 514/620.000; 514/626.000; 546/336.000; 548/567.000;
564/164.000; 564/193.000
NCL NCLM: 514/357.000
NCLS: 514/428.000; 514/620.000; 514/626.000; 546/336.000; 548/567.000;
564/164.000; 564/193.000
IC [7]
ICM: A61K031-44
ICS: A61K031-40; A61K031-165; A61K031-16; C07D207-46
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 137 OF 391 USPATFULL on STN

TI Diaminediols for the treatment of Alzheimer's disease
IN Schostarez, Heinrich Josef, Portage, MI, UNITED STATES
Chrusciel, Robert A., Portage, MI, UNITED STATES
PI US 2003083353 A1 20030501
AI US 2002-192625 A1 20020710 (10)
PRAI US 2001-304305P 20010710 (60)
US 2001-334480P 20011130 (60)
DT Utility
FS APPLICATION
LN.CNT 4041
INCL INCLM: 514/349.000
INCLS: 514/426.000; 514/485.000; 514/519.000; 514/567.000; 514/669.000;
514/646.000; 548/557.000; 546/304.000; 558/453.000; 560/024.000;
560/157.000; 564/506.000
NCL NCLM: 514/349.000
NCLS: 514/426.000; 514/485.000; 514/519.000; 514/567.000; 514/669.000;
514/646.000; 548/557.000; 546/304.000; 558/453.000; 560/024.000;
560/157.000; 564/506.000
IC [7]
ICM: C07D213-72
ICS: A61K031-44; A61K031-275; A61K031-325; A61K031-13; A61K031-135;
A61K031-195

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 138 OF 391 USPATFULL on STN
AN 2003:120793 USPATFULL
TI Use of insulin degrading enzyme (IDE) for the treatment of alzheimer's
disease in patients
IN Hersh, Louis B., Lexington, KY, UNITED STATES
PI US 2003083277 A1 20030501
AI US 2001-792079 A1 20010226 (9)
PRAI US 2000-184826P 20000224 (60)
DT Utility
FS APPLICATION
LN.CNT 1117
INCL INCLM: 514/044.000
INCLS: 424/094.630; 424/093.210
NCL NCLM: 514/044.000
NCLS: 424/094.630; 424/093.210
IC [7]
ICM: A61K048-00
ICS: A61K038-48

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 139 OF 391 USPATFULL on STN
AN 2003:120290 USPATFULL
TI Nucleic acids encoding ****human*** adamalysin SVP1-8
IN Cerretti, Douglas P., Seattle, WA, UNITED STATES
PA Immunex Corporation (U.S. corporation)
PI US 2003082771 A1 20030501
AI US 2002-265125 A1 20021003 (10)
RLI Division of Ser. No. US 2000-617145, filed on 14 Jul 2000, GRANTED, Pat.
No. US 6485956 Continuation of Ser. No. WO 1999-US603, filed on 12 Jan
1999, PENDING
PRAI US 1998-71505P 19980114 (60)
DT Utility
FS APPLICATION
LN.CNT 2031
INCL INCLM: 435/189.000
INCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/189.000
NCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-02; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 140 OF 391 USPATFULL on STN
AN 2003:120089 USPATFULL
TI High-throughput transcriptome and functional validation analysis
IN Melcher, Thorsten, San Francisco, CA, UNITED STATES
McFarland, K. C., Davis, CA, UNITED STATES
Gan, Li, San Francisco, CA, UNITED STATES
Ye, Shiming, Albany, CA, UNITED STATES
Gonzalez-Zulueta, Mirielle, Pacific, CA

AI US 2002-116437 A1 20020403 (10)
RLI Continuation-in-part of Ser. No. US 2001-27807, filed on 19 Oct 2001,
PENDING Continuation-in-part of Ser. No. US 2000-627362, filed on 28 Jul
2000, ABANDONED
PRAI US 1999-146640P 19990730 (60)
DT Utility
FS APPLICATION
LN.CNT 3093
INCL INCLM: 435/006.000
INCLS: 435/091.200
NCL NCLM: 435/006.000
NCLS: 435/091.200
IC [7]
ICM: C12Q001-68
ICS: C12P019-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 141 OF 391 USPATFULL on STN
AN 2003:120071 USPATFULL
TI Novel nucleic acid sequences encoding ***human*** cell adhesion
molecule protein-like polypeptides
IN Shimkets, Richard A., West Haven, CT, UNITED STATES
Fernandes, Elma, Branford, CT, UNITED STATES
Herrman, John, Guilford, CT, UNITED STATES
Vernet, Corine, Gainesville, FL, UNITED STATES
PA CuraGen Corporation, New Haven, CT, 06511
PI US 2003082554 A1 20030501
AI US 2001-977033 A1 20011015 (9)
RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING
PRAI US 2000-201388P 20000503 (60)
US 2000-193086P 20000330 (60)
US 2000-191158P 20000322 (60)
US 2000-189810P 20000316 (60)
US 1999-137322P 19990603 (60)
DT Utility
FS APPLICATION
LN.CNT 7063
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.500
IC [7]
ICM: C07K014-435
ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 142 OF 391 USPATFULL on STN
AN 2003:113499 USPATFULL
TI Phosphinylmethyl and phosphorylmethyl succinic and glutaric acid analogs
as beta-secretase inhibitors
IN Etcheberrigaray, Rene, Columbia, MD, UNITED STATES
Qiao, Lixin, Arlington, VA, UNITED STATES
PA Neurologic, Inc. (U.S. corporation)
PI US 2003078240 A1 20030424
AI US 2002-274523 A1 20021021 (10)
RLI Division of Ser. No. US 2001-866764, filed on 30 May 2001, PENDING
DT Utility
FS APPLICATION
LN.CNT 776
INCL INCLM: 514/114.000
INCLS: 514/120.000; 562/011.000; 562/015.000; 562/024.000
NCL NCLM: 514/114.000
NCLS: 514/120.000; 562/011.000; 562/015.000; 562/024.000
IC [7]
ICM: A61K031-66
ICS: A61K031-663; C07F009-22; C07F009-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 143 OF 391 USPATFULL on STN
AN 2003:113462 USPATFULL
TI Covalently reactive transition state analogs and methods of use thereof
IN Paul, Sudhir, Missouri City, TX, UNITED STATES
Nishiyama, Yasuhiro, Houston, TX, UNITED STATES
PI US 2003078203 A1 20030424
AI US 2002-114716 A1 20020401 (10)

PENDING Division of Ser. No. US 1998-46373, filed on 23 Mar 1998,
GRANTED, Pat. No. US 6235714
PRAI US 2001-280624P 20010331 (60)
DT Utility
FS APPLICATION
LN.CNT 2260
INCL INCLM: 514/012.000
INCLS: 530/350.000; 530/351.000; 424/085.100; 424/085.200; 424/189.100;
424/190.100
NCL NCLM: 514/012.000
NCLS: 530/350.000; 530/351.000; 424/085.100; 424/085.200; 424/189.100;
424/190.100
IC [7]
ICM: A61K039-29
ICS: A61K039-02; A61K038-20; A61K038-19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 144 OF 391 USPATFULL on STN
AN 2003:112961 USPATFULL
TI DEATH DOMAIN CONTAINING RECEPTORS
IN YU, GUO-LIANG, DARNESTOWN, MD, UNITED STATES
NI, JIAN, ROCKVILLE, MD, UNITED STATES
DIXIT, VISHVA, ANN ARBOR, MI, UNITED STATES
GENTZ, REINER L., SILVER SPRING, MD, UNITED STATES
DILLON, PATRICK J., GAITHERSBURG, MD, UNITED STATES
PI US 2003077694 A1 20030424
AI US 1999-314889 A1 19990519 (9)
RLI Continuation of Ser. No. US 1997-815469, filed on 11 Mar 1997, GRANTED,
Pat. No. US 6153402
PRAI US 1996-13285P 19960312 (60)
US 1996-28711P 19961017 (60)
US 1997-37341P 19970206 (60)
DT Utility
FS APPLICATION
LN.CNT 3011
INCL INCLM: 435/069.100
INCLS: 536/023.500; 435/320.100; 530/324.000; 530/387.900; 514/002.000
NCL NCLM: 435/069.100
NCLS: 536/023.500; 435/320.100; 530/324.000; 530/387.900; 514/002.000
IC [7]
ICM: A01N037-18
ICS: A61K038-00; C07H021-04; C12P021-06; C12N015-00; C12N015-09;
C12N015-63; C12N015-70; C12N015-74; C07K005-00; C07K007-00; C07K016-00;
C07K017-00; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 145 OF 391 USPATFULL on STN
AN 2003:112496 USPATFULL
TI Alzheimer's disease, secretase, app substrates therefor, and uses
therefor
IN Gurney, Mark E, Gran Rapids, MI, UNITED STATES
Bienkowski, Michael J, Kalamazoo, MI, UNITED STATES
Heinrikson, Robert L, Plainwell, MI, UNITED STATES
Parodi, Luis A, Stockholm, SWEDEN
Yan, Riqiang, Kalamazo, MI, UNITED STATES
PI US 2003077226 A1 20030424
AI US 2001-869414 A1 20010627 (9)
WO 2001-IB797 20010509
DT Utility
FS APPLICATION
LN.CNT 5976
INCL INCLM: 424/009.600
INCLS: 530/350.000; 435/366.000; 435/069.100; 435/320.100
NCL NCLM: 424/009.600
NCLS: 530/350.000; 435/366.000; 435/069.100; 435/320.100
IC [7]
ICM: A61K049-00
ICS: C12N005-08; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 146 OF 391 USPATFULL on STN
AN 2003:106932 USPATFULL
TI sulfonyl aryl hydroxamates and their use as matrix metalloprotease
inhibitors
IN Barta, Thomas E, Evanston, IL, UNITED STATES

Bedell, Louis J., Prospect Heights, IL, UNITED STATES
 DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES
 Freskos, John N., Clayton, MO, UNITED STATES
 Getman, Daniel P., Chesterfield, MO, UNITED STATES
 McDonald, Joseph J., Wildwood, MO, UNITED STATES
 Mischke, Brent V., Defiance, MO, UNITED STATES
 Rao, Shashidhar N., Saint Louis, MO, UNITED STATES
 Villamil, Clara I., Glenview, IL, UNITED STATES
 PI US 2003073845 A1 20030417
 AI US 2001-909227 A1 20010719 (9)
 RLI Continuation-in-part of Ser. No. US 2000-569034, filed on 11 May 2000,
 PENDING Continuation-in-part of Ser. No. US 1999-310813, filed on 12 May
 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-230209, filed
 on 24 Jun 1999, GRANTED, Pat. No. US 6380258 A 371 of International Ser.
 No. WO 1998-US4300, filed on 4 Mar 1998, UNKNOWN Continuation-in-part of
 Ser. No. US 2000-728408, filed on 1 Dec 2000, PENDING Continuation of
 Ser. No. US 1999-310813, filed on 12 May 1999, ABANDONED
 PRAI US 1997-35182P 19970304 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 5507
 INCL INCLM: 546/216.000
 INCLS: 546/223.000; 534/751.000
 NCL NCLM: 546/216.000
 NCLS: 546/223.000; 534/751.000
 IC [7]
 ICM: C07D211-54
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 147 OF 391 USPATFULL on STN
 AN 2003:106806 USPATFULL
 TI Aromatic sulfone hydroxamic acids and their use as protease inhibitors
 IN Barta, Thomas E., Evanston, IL, UNITED STATES
 Becker, Daniel P., Glenview, IL, UNITED STATES
 Bedell, Louis J., Mt. Prospect, IL, UNITED STATES
 Boehm, Terri L., Ballwin, MO, UNITED STATES
 Carroll, Jeffery N., Columbia, IL, UNITED STATES
 DeCrescenzo, Gary A., St. Charles, MO, UNITED STATES
 Fobian, Yvette M., Wildwood, MO, UNITED STATES
 Freskos, John N., Clayton, MO, UNITED STATES
 Getman, Daniel P., Chesterfield, MO, UNITED STATES
 McDonald, Joseph J., Wildwood, MO, UNITED STATES
 Li, Madeleine H., Vernon Hills, MO, UNITED STATES
 Hockerman, Susan L., Chicago, IL, UNITED STATES
 Howard, Carol Percy, Fenton, MO, UNITED STATES
 Kolodziej, Steve A., Ballwin, MO, UNITED STATES
 Mischke, Deborah A., Defiance, MO, UNITED STATES
 Rico, Joseph G., Ballwin, MO, UNITED STATES
 Stehle, Nathan W., Grafton, WI, UNITED STATES
 Tollefson, Michael B., Hainesville, IL, UNITED STATES
 Vernier, William F., St. Louis, MO, UNITED STATES
 Villamil, Clara I., Glenview, IL, UNITED STATES
 Kassab, Darren J., Wildwood, MO, UNITED STATES
 PI US 2003073718 A1 20030417
 AI US 2001-989943 A1 20011121 (9)
 RLI Continuation-in-part of Ser. No. US 2000-570731, filed on 12 May 2000,
 PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 4996
 INCL INCLM: 514/316.000
 INCLS: 514/317.000; 514/326.000; 546/189.000; 546/207.000
 NCL NCLM: 514/316.000
 NCLS: 514/317.000; 514/326.000; 546/189.000; 546/207.000
 IC [7]
 ICM: A61K031-4545
 ICS: C07D047-02; C07D041-02
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 148 OF 391 USPATFULL on STN
 AN 2003:106789 USPATFULL
 TI Succinoylamino heterocycles as inhibitors of a beta protein production
 IN Thompson, Lorin A., Wilmington, DE, UNITED STATES
 Kasireddy, Padmaja, Kennett Square, PA, UNITED STATES
 PI US 2003073701 A1 20030417

DT Utility
FS APPLICATION
LN.CNT 3957
INCL INCLM: 514/255.010
INCLS: 514/253.010; 514/252.140; 514/256.000; 514/330.000; 514/318.000;
514/343.000; 514/423.000; 544/295.000; 544/360.000; 544/386.000;
544/333.000; 546/208.000
NCL NCLM: 514/255.010
NCLS: 514/253.010; 514/252.140; 514/256.000; 514/330.000; 514/318.000;
514/343.000; 514/423.000; 544/295.000; 544/360.000; 544/386.000;
544/333.000; 546/208.000
IC [7]
ICM: A61K031-496
ICS: A61K031-506; A61K031-4545
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 149 OF 391 USPATFULL on STN
AN 2003:106698 USPATFULL
TI Yeast screens for treatment of ****human*** disease
IN Lindquist, Susan, Chestnut Hill, MA, UNITED STATES
Krobitsch, Sylvia, Berlin, GERMANY, FEDERAL REPUBLIC OF
Outeiro, Tiago Fleming, Cambridge, MA, UNITED STATES
PA The University of Chicago (U.S. corporation)
PI US 2003073610 A1 20030417
AI US 2002-77584 A1 20020215 (10)
PRAI US 2001-269157P 20010215 (60)
DT Utility
FS APPLICATION
LN.CNT 3198
INCL INCLM: 514/001.000
INCLS: 435/007.310; 435/254.200; 435/483.000
NCL NCLM: 514/001.000
NCLS: 435/007.310; 435/254.200; 435/483.000
IC [7]
ICM: A61K031-00
ICS: G01N033-53; G01N033-569; C12N001-18; C12N015-74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 150 OF 391 USPATFULL on STN
AN 2003:106163 USPATFULL
TI DIAGNOSTIC ASSAY FOR ALZHEIMER'S DISEASE: ASSESSMENT OF AB ABNORMALITIES
IN TANZI, RUDOLPH E., CANTON, MA, UNITED STATES
BUSH, ASHLEY I., SOMERVILLE, MA, UNITED STATES
MOIR, ROBERT D., BOSTON, MA, UNITED STATES
PI US 2003073074 A1 20030417
AI US 1999-425956 A1 19991025 (9)
RLI Continuation of Ser. No. US 1997-817423, filed on 4 Aug 1997, GRANTED,
Pat. No. US 5972634 A 371 of International Ser. No. WO 1994-US11895,
filed on 19 Oct 1994, UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 2343
INCL INCLM: 435/006.000
INCLS: 435/287.200; 435/007.900
NCL NCLM: 435/006.000
NCLS: 435/287.200; 435/007.900
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-542; G01N033-537; G01N033-543; C12M001-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 151 OF 391 USPATFULL on STN
AN 2003:105883 USPATFULL
TI Encapsulation of plasmid DNA (lipogenes.TM.) and therapeutic agents with
nuclear localization signal/fusogenic peptide conjugates into targeted
liposome complexes
IN Boulikas, Teni, Mountain View, CA, UNITED STATES
PI US 2003072794 A1 20030417
AI US 2001-876904 A1 20010608 (9)
PRAI US 2000-210925P 20000609 (60)
DT Utility
FS APPLICATION
LN.CNT 4201
INCL INCLM: 424/450.000
INCLS: 425/450.000; 425/220.100; 514/001.000

NCLS: 435/458.000; 435/320.100; 514/044.000; 264/004.000

IC [7]

ICM: A61K048-00

ICS: A61K009-127; C12N015-88

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 152 OF 391 USPATFULL on STN

AN 2003:102440 USPATFULL

TI Stable macroscopic membranes formed by self-assembly of amphiphilic peptides and uses therefor

IN Zhang, Shuguang, Cambridge, MA, United States
Lockshin, Curtis, Lexington, MA, United States
Rich, Alexander, Cambridge, MA, United States
Holmes, Todd, Cambridge, MA, United States

PA Massachusetts Institute of Technology, Cambridge, MA, United States
(U.S. corporation)

PI US 6548630 B1 20030415

AI US 1997-898300 19970722 (8)

RLI Continuation of Ser. No. US 1994-346849, filed on 30 Nov 1994, now patented, Pat. No. US 5670483 Continuation of Ser. No. US 1992-973326, filed on 28 Dec 1992, now abandoned

DT Utility

FS GRANTED

LN.CNT 2187

INCL INCLM: 530/300.000

INCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/350.000;
514/012.000; 514/013.000; 514/014.000

NCL NCLM: 530/300.000

NCLS: 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/350.000

IC [7]

ICM: C07K007-00

ICS: C07K016-00; A61K038-00

EXF 514/12; 514/13; 514/14; 530/300; 530/324; 530/325; 530/326; 530/327;
530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 153 OF 391 USPATFULL on STN

AN 2003:102126 USPATFULL

TI Lipopeptide stabilized microbubbles as diagnostic/therapeutic agents

IN Cuthbertson, Alan, Oslo, NORWAY
Solbakken, Magne, Oslo, NORWAY
Wolfe, Henry Raphael, Glenmoore, PA, United States

PA Amersham Health AS, Oslo, NORWAY (non-U.S. corporation)

PI US 6548048 B1 20030415

AI US 2000-695273 20001025 (9)

RLI Continuation of Ser. No. WO 1999-GB1247, filed on 22 Apr 1999

PRAI GB 1998-9084 19980428

US 1998-84833P 19980508 (60)

DT Utility

FS GRANTED

LN.CNT 1281

INCL INCLM: 424/009.520

INCLS: 424/009.510; 424/450.000; 424/489.000; 424/499.000

NCL NCLM: 424/009.520

NCLS: 424/009.510; 424/450.000; 424/489.000; 424/499.000

IC [7]

ICM: A61B008-00

ICS: A61K009-127; A61K009-14

EXF 424/9.51; 424/9.52; 424/9.5; 424/450; 424/489; 424/499; 600/441; 600/458

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 154 OF 391 USPATFULL on STN

AN 2003:100334 USPATFULL

TI Biological reagents and methods for determining the mechanism in the generation of ***beta*** - ***amyloid*** peptide

IN Audia, James E., Indianapolis, IN, UNITED STATES
Hyslop, Paul A., Indianapolis, IN, UNITED STATES
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES
Thompson, Richard C., Frankfort, IN, UNITED STATES
Tung, Jay S., Belmont, CA, UNITED STATES
Tanner, Laura I., San Francisco, CA, UNITED STATES

PI US 2003069445 A1 20030410

AI US 2002-217459 A1 20020814 (10)

RLI Division of Ser. No. US 1999-408283, filed on 29 Sep 1999, GRANTED, Pat.

DT Utility
FS APPLICATION
LN.CNT 2200
INCL INCLM: 564/059.000
INCLS: 530/333.000; 560/157.000; 564/152.000
NCL NCLM: 564/059.000
NCLS: 530/333.000; 560/157.000; 564/152.000
IC [7]
ICM: C07K007-00
ICS: C07C275-14; C07C271-20
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 155 OF 391 USPATFULL on STN
AN 2003:100060 USPATFULL
TI Pharmaceutical compositions of drug-oligomer conjugates and methods of
treating diseases therewith
IN Soltero, Richard, Holly Springs, NC, UNITED STATES
Ekwuribe, Nnochiri N., Cary, NC, UNITED STATES
Opawale, Foyeke, Raleigh, NC, UNITED STATES
Rehlander, Bruce, Chapel Hill, NC, UNITED STATES
Hickey, Anthony, Chapel Hill, NC, UNITED STATES
Li Li, Bovet, Chapel Hill, NC, UNITED STATES
PI US 2003069170 A1 20030410
AI US 2002-235284 A1 20020905 (10)
PRAI US 2001-318193P 20010907 (60)
US 2002-377865P 20020503 (60)

DT Utility
FS APPLICATION
LN.CNT 3615
INCL INCLM: 514/002.000
INCLS: 514/012.000; 514/171.000; 514/560.000
NCL NCLM: 514/002.000
NCLS: 514/012.000; 514/171.000; 514/560.000
IC [7]
ICM: A61K038-23
ICS: A61K031-56; A61K031-202; A61K038-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 156 OF 391 USPATFULL on STN
AN 2003:99221 USPATFULL
TI Immunogenic peptide composition for the prevention and treatment of
Alzheimers Disease
IN Wang, Chang Yi, Cold Spring Harbor, NY, UNITED STATES
PI US 2003068325 A1 20030410
AI US 2001-865294 A1 20010525 (9)

DT Utility
FS APPLICATION
LN.CNT 2076
INCL INCLM: 424/185.100
INCLS: 435/226.000
NCL NCLM: 424/185.100
NCLS: 435/226.000
IC [7]
ICM: A61K039-00
ICS: C12N009-64

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 157 OF 391 USPATFULL on STN
AN 2003:99212 USPATFULL
TI Anti-ADDL ***antibodies*** and uses thereof
IN Klein, William L., Winnetka, IL, UNITED STATES
Krafft, Grant A., Glenview, IL, UNITED STATES
Lambert, Mary P., Glenview, IL, UNITED STATES
Viola, Kirsten L., Chicago, IL, UNITED STATES
Chromy, Brett A., Pleasanton, CA, UNITED STATES
Gong, Yue Song, Evanston, IL, UNITED STATES
Chang, Lei, Evanston, IL, UNITED STATES
Morgan, Todd E., Los Angeles, CA, UNITED STATES
Rozofsky, Irina, Pasadena, CA, UNITED STATES
Finch, Caleb E., Altadena, CA, UNITED STATES

PI US 2003068316 A1 20030410
AI US 2002-166856 A1 20020611 (10)
RLI Continuation-in-part of Ser. No. US 1999-369236, filed on 4 Aug 1999,
PENDING Continuation-in-part of Ser. No. US 1997-796089, filed on 5 Feb
1997. GRANTED Pat. No. US 6,218,506

DT Utility
FS APPLICATION
LN.CNT 2982
INCL INCLM: 424/130.100
NCL NCLM: 424/130.100
IC [7]
ICM: A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 158 OF 391 USPATFULL on STN
AN 2003:96167 USPATFULL
TI Catalytically active recombinant memapsin and methods of use thereof
IN Tang, Jordan J. N., Edmond, OK, United States
Lin, Xinli, Edmond, OK, United States
Koelsch, Gerald, Oklahoma City, OK, United States
Hong, Lin, Oklahoma City, OK, United States
PA Oklahoma Medical Research Foundation, Oklahoma City, OK, United States
(U.S. corporation)
PI US 6545127 B1 20030408
AI US 2000-604608 20000627 (9)
PRAI US 1999-141363P 19990628 (60)
US 1999-168060P 19991130 (60)
US 2000-177836P 20000125 (60)
US 2000-178368P 20000127 (60)
US 2000-210292P 20000608 (60)

DT Utility
FS GRANTED
LN.CNT 2563
INCL INCLM: 530/350.000
INCLS: 702/019.000; 530/300.000; 536/023.100
NCL NCLM: 530/350.000
NCLS: 530/300.000; 536/023.100; 702/019.000
IC [7]
ICM: G01N033-48
ICS: G01N031-00; G06F019-00; A16K038-00; C07K001-00; C07K014-00;
C07K017-00; C07M021-02; C07M021-04
EXF 435/212; 435/183; 435/7.1; 435/226; 435/15; 530/300; 536/350; 536/23.1;
702/19; 702/27
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 159 OF 391 USPATFULL on STN
AN 2003:94733 USPATFULL
TI Transgenic animals and cell lines for screening drugs effective for the
treatment or prevention of Alzheimer's Disease
IN Monte, Suzanne De La, East Greenwich, RI, UNITED STATES
Wands, Jack R., Waban, MA, UNITED STATES
PI US 2003066097 A1 20030403
AI US 2001-964678 A1 20010928 (9)
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371
of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN
PRAI US 1997-38908P 19970226 (60)
DT Utility
FS APPLICATION
LN.CNT 2091
INCL INCLM: 800/012.000
INCLS: 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 800/012.000
NCLS: 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: A01K067-027
ICS: C12N005-06; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 160 OF 391 USPATFULL on STN
AN 2003:94089 USPATFULL
TI High throughput functional genomics
IN Hickman, James J., Falls Church, VA, UNITED STATES
PI US 2003065452 A1 20030403
AI US 2002-286761 A1 20021104 (10)
RLI Division of Ser. No. US 2000-575377, filed on 22 May 2000, PENDING
PRAI US 1999-135275P 19990521 (60)
DT Utility
FS APPLICATION
LN.CNT 2780
INCL INCLM: 702/019.000

NCL NCLM: 702/019.000
NCLS: 435/007.210
IC [7]
ICM: G01N033-567
ICS: G06F019-00; G01N033-48; G01N033-50
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 161 OF 391 USPATFULL on STN
AN 2003:93790 USPATFULL
TI Secreted protein HCEJQ69
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Young, Paul, Gaithersburg, MD, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Komatsoulis, George, Silver Spring, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)
PI US 2003065151 A1 20030403
AI US 2002-115123 A1 20020404 (10)
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999, UNKNOWN
PRAI US 1998-89507P 19980616 (60)
US 1998-89508P 19980616 (60)
US 1998-89509P 19980616 (60)
US 1998-89510P 19980616 (60)
US 1998-90112P 19980622 (60)
US 1998-90113P 19980622 (60)
DT Utility
FS APPLICATION
LN.CNT 18779
INCL INCLM: 530/388.260
NCL NCLM: 530/388.260
IC [7]
ICM: C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 162 OF 391 USPATFULL on STN
AN 2003:93780 USPATFULL
TI Mutant presenilin 1 and presenilin 2 polypeptides
IN Carter, Donald Bainbridge, Kalamazoo, MI, UNITED STATES
Tomasselli, Alfredo Giuseppe, Kalamazoo, MI, UNITED STATES
PI US 2003065141 A1 20030403
AI US 2001-896621 A1 20010629 (9)
PRAI US 2000-215345P 20000630 (60)
DT Utility
FS APPLICATION
LN.CNT 2497
INCL INCLM: 530/350.000
INCLS: 435/069.100; 435/007.200
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/007.200
IC [7]
ICM: C07K014-435
ICS: G01N033-53; G01N033-567; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 163 OF 391 USPATFULL on STN
AN 2003:93067 USPATFULL
TI Reagents and methods for identifying and modulating expression of genes regulated by CDK inhibitors
IN Poole, Jason, Chicago, IL, UNITED STATES
Chang, Ray, Chicago, IL, UNITED STATES

PI US 2003064426 A1 20030403
AI US 2001-861925 A1 20010521 (9)
PRAI US 2001-265840P 20010201 (60)
DT Utility
FS APPLICATION
LN.CNT 3443
INCL INCLM: 435/008.000
INCLS: 435/184.000; 435/320.100; 435/325.000; 435/069.100
NCL NCLM: 435/008.000
NCLS: 435/184.000; 435/320.100; 435/325.000; 435/069.100
IC [7]
ICM: C12Q001-66
ICS: C12N009-99; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 164 OF 391 USPATFULL on STN
AN 2003:93057 USPATFULL
TI Process for differential diagnosis of Alzheimer's dementia in patients
exhibiting mild cognitive impairment
IN Jackowski, George, Kettleby, CANADA
Takahashi, Miyoko, North York, CANADA
PI US 2003064416 A1 20030403
AI US 2002-246383 A1 20020917 (10)
RLI Continuation-in-part of Ser. No. US 2001-971740, filed on 4 Oct 2001,
PENDING Continuation of Ser. No. US 2001-842079, filed on 25 Apr 2001,
GRANTED, Pat. No. US 6451547
DT Utility
FS APPLICATION
LN.CNT 888
INCL INCLM: 435/007.210
NCL NCLM: 435/007.210
IC [7]
ICM: G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 165 OF 391 USPATFULL on STN
AN 2003:89258 USPATFULL
TI Nucleic acid encoding PTH1R receptor
IN Juppner, Harald, Cambridge, MA, United States
Rubin, David A., Needham, MA, United States
PA The General Hospital Corporation, Boston, MA, United States (U.S.
corporation)
PI US 6541220 B1 20030401
AI US 1999-449632 19991130 (9)
PRAI US 1998-110467P 19981130 (60)
DT Utility
FS GRANTED
LN.CNT 2932
INCL INCLM: 435/069.100
INCLS: 536/023.500; 536/024.300; 536/024.310; 530/350.000; 435/071.100;
435/071.200; 435/471.000; 435/325.000; 435/320.100; 435/252.300;
435/254.110
NCL NCLM: 435/069.100
NCLS: 435/071.100; 435/071.200; 435/252.300; 435/254.110; 435/320.100;
435/325.000; 435/471.000; 530/350.000; 536/023.500; 536/024.300;
536/024.310
IC [7]
ICM: C12N015-12
ICS: C12N015-63; C12N005-10; C07K014-705
EXF 536/23.1; 536/23.5; 536/24.3; 536/24.31; 530/350; 435/69.1; 435/71.1;
435/71.2; 435/471; 435/325; 435/252.3; 435/254.11; 435/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 166 OF 391 USPATFULL on STN
AN 2003:89115 USPATFULL
TI Methods for using elk-L to enhance neuronal survival
IN Lyman, Stewart, Seattle, WA, United States
Beckmann, M. Patricia, Poulsbo, WA, United States
Baum, Peter R., Seattle, WA, United States
Carpenter, Melissa K., Issaquah, WA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 6540992 B1 20030401
AI US 1998-39642 19980316 (9)

1995, now patented, Pat. No. US 5670625 Division of Ser. No. US
1994-213403, filed on 15 Mar 1994, now patented, Pat. No. US 5512457
Continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,
now abandoned

DT Utility
FS GRANTED
LN.CNT 1752
INCL INCLM: 424/085.100
INCLS: 424/130.100; 424/134.100; 424/184.100; 424/185.100; 424/192.100;
530/350.000; 530/351.000; 530/387.100; 530/387.300
NCL NCLM: 424/085.100
NCLS: 424/130.100; 424/134.100; 424/184.100; 424/185.100; 424/192.100;
530/350.000; 530/351.000; 530/387.100; 530/387.300
IC [7]
ICM: A61K038-19
ICS: C07K014-52
EXF 530/387.3; 530/351; 530/350; 530/387.1; 424/85.1; 424/192.1; 424/134.1;
424/130.1; 424/184.1; 424/185.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 167 OF 391 USPATFULL on STN
AN 2003:86317 USPATFULL
TI Polynucleotide encoding a novel ***human*** potassium channel
alpha-subunit, K α 1, and variants thereof
IN Feder, John N., Belle Mead, NJ, UNITED STATES
Lee, Liana M., North Brunswick, NJ, UNITED STATES
Chen, Jian, Princeton, NJ, UNITED STATES
Jackson, Donald, Lawrenceville, NJ, UNITED STATES
Ramanathan, Chandra, Wallingford, CT, UNITED STATES
Siemers, Nathan, Pennington, NJ, UNITED STATES
Chang, Han, Princeton Junction, NJ, UNITED STATES
PI US 2003059923 A1 20030327
AI US 2001-999220 A1 20011101 (9)
PRAI US 2000-245383P 20001102 (60)
US 2000-257780P 20001221 (60)
US 2001-269854P 20010220 (60)
DT Utility
FS APPLICATION
LN.CNT 16037
INCL INCLM: 435/252.300
INCLS: 536/023.100
NCL NCLM: 435/252.300
NCLS: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04; C12N001-20
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 168 OF 391 USPATFULL on STN
AN 2003:78523 USPATFULL
TI 90 ***human*** secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
PI US 2003054443 A1 20030320
AI US 2001-969730 A1 20011004 (9)
RLI Continuation-in-part of Ser. No. US 2001-774639, filed on 1 Feb 2001,
PENDING Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999,
ABANDONED Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4
Aug 1998, UNKNOWN
PRAI US 2000-238291P 20001006 (60)
US 1997-55386P 19970805 (60)
US 1997-54807P 19970805 (60)
US 1997-55312P 19970805 (60)
US 1997-55386P 19970805 (60)

US 1997-55310P 19970805 (60)
US 1997-54806P 19970805 (60)
US 1997-54809P 19970805 (60)
US 1997-54804P 19970805 (60)
US 1997-54803P 19970805 (60)
US 1997-54808P 19970805 (60)
US 1997-55311P 19970805 (60)
US 1997-55986P 19970818 (60)
US 1997-55970P 19970818 (60)
US 1997-56563P 19970819 (60)
US 1997-56557P 19970819 (60)
US 1997-56731P 19970819 (60)
US 1997-56365P 19970819 (60)
US 1997-56367P 19970819 (60)
US 1997-56370P 19970819 (60)
US 1997-56364P 19970819 (60)
US 1997-56366P 19970819 (60)
US 1997-56732P 19970819 (60)
US 1997-56371P 19970819 (60)

DT Utility

FS APPLICATION

LN.CNT 26693

INCL INCLM: 435/069.100

INCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;
536/023.100; 530/350.000

NCL NCLM: 435/069.100

NCLS: 435/006.000; 435/007.100; 435/325.000; 435/320.100; 435/183.000;
536/023.100; 530/350.000

IC [7]

ICM: C12P021-02

ICS: C12Q001-68; G01N033-53; C07H021-04; C12N009-00; C07K014-435;

C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 169 OF 391 USPATFULL on STN

AN 2003:72975 USPATFULL

TI Animal models for neurodegenerative disease

IN Greenfield, Susan Adele, Oxford, UNITED KINGDOM

Rawlins, John Nicholas Pepys, Oxford, UNITED KINGDOM

Deacon, Robert Michael John, Oxford, UNITED KINGDOM

PI US 2003051262 A1 20030313

AI US 2002-169343 A1 20020911 (10)

WO 2000-GB4991 20001222

PRAI GB 1999-30825 19991230

DT Utility

FS APPLICATION

LN.CNT 1016

INCL INCLM: 800/009.000

INCLS: 800/012.000; 800/018.000

NCL NCLM: 800/009.000

NCLS: 800/012.000; 800/018.000

IC [7]

ICM: A01K067-027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 170 OF 391 USPATFULL on STN

AN 2003:72015 USPATFULL

TI Treatment of conditions associated with amyloid processing using PKC
activators

IN Etcheberrigaray, Rene, Columbia, MD, UNITED STATES

Qiao, Lixin, Arlington, VA, UNITED STATES

Kozikowski, Alan P., Princeton, NJ, UNITED STATES

Neurologic, Inc. (U.S. corporation)

PI US 2003050302 A1 20030313

AI US 2002-254916 A1 20020926 (10)

RLI Division of Ser. No. US 2000-652656, filed on 31 Aug 2000, ABANDONED

DT Utility

FS APPLICATION

LN.CNT 933

INCL INCLM: 514/212.070

NCL NCLM: 514/212.070

IC [7]

ICM: A61K031-55

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:71403 USPATFULL
TI Protein fragment complementation assays for the detection of biological
or drug interactions
IN Michnick, Stephen William Watson, Westmount, CANADA
Pelletier, Joelle Nina, Westmount, CANADA
Remy, Ingrid, Montreal, CANADA
PA Odyssey Pharmaceuticals, Inc., San Ramon, CA (non-U.S. corporation)
PI US 2003049688 A1 20030313
AI US 2002-154758 A1 20020524 (10)
RLI Continuation of Ser. No. US 2000-499464, filed on 7 Feb 2000, GRANTED,
Pat. No. US 6428951 Continuation of Ser. No. US 1998-17412, filed on 2
Feb 1998, GRANTED, Pat. No. US 6270964
PRAI CA 1997-2196496 19970131
DT Utility
FS APPLICATION
LN.CNT 2757
INCL INCLM: 435/007.100
INCLS: 435/007.900; 702/019.000
NCL NCLM: 435/007.100
NCLS: 435/007.900; 702/019.000
IC [7]
ICM: G01N033-53
ICS: G01N033-542; G06F019-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 172 OF 391 USPATFULL on STN
AN 2003:70968 USPATFULL
TI Polymeric conjugates for delivery of MHC-recognized epitopes via peptide
vaccines
IN Li, Frank Q., Montgomery Village, MD, UNITED STATES
Chu, Yong-Liang, Rockville, MD, UNITED STATES
Qiu, Jian-Tai, Rockville, MD, UNITED STATES
PI US 2003049253 A1 20030313
AI US 2002-62710 A1 20020205 (10)
PRAI US 2001-310498P 20010808 (60)
DT Utility
FS APPLICATION
LN.CNT 1790
INCL INCLM: 424/144.100
INCLS: 424/178.100
NCL NCLM: 424/144.100
NCLS: 424/178.100
IC [7]
ICM: A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 173 OF 391 USPATFULL on STN
AN 2003:67840 USPATFULL
TI Genetic sequences related to Alzheimer's Disease
IN St. George-Hyslop, Peter H., Toronto, CANADA
Rommens, Johanna M., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Hospital for Sick Children, Toronto, CANADA (non-U.S. corporation)
HSC Research and Development Limited Partnership, Toronto, CANADA
(non-U.S. corporation)
The Governing Council of the University of Toronto, Toronto, CANADA
(non-U.S. corporation)
PI US 6531586 B1 20030311
AI US 1995-431048 19950428 (8)
DT Utility
FS GRANTED
LN.CNT 3650
INCL INCLM: 536/023.500
INCLS: 536/023.100; 435/320.100; 435/325.000; 435/069.100
NCL NCLM: 536/023.500
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.100
IC [7]
ICM: C12N015-11
ICS: C12N015-63; C12N015-85; C07H021-04
EXF 435/6; 435/69.1; 435/172.1; 435/172.3; 435/320.1; 435/325; 435/375;
435/252.3; 435/254.11; 800/2; 800/DIG.1; 800/DIG.2; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 174 OF 391 USPATFULL on STN

IN Courchesne, William E., Soda Springs, CA, UNITED STATES
Schooley, David A., Reno, NV, UNITED STATES
Copley, Kathrin, San Diego, CA, UNITED STATES
PI US 2003044896 A1 20030306
AI US 2001-7447 A1 20011105 (10)
RLI Continuation of Ser. No. US 2000-661452, filed on 13 Sep 2000, PENDING
Continuation of Ser. No. US 1999-237936, filed on 27 Jan 1999, ABANDONED
PRAI US 1998-72691P 19980127 (60)
DT Utility
FS APPLICATION
LN.CNT 1389
INCL INCLM: 435/069.100
INCLS: 435/226.000; 435/254.200
NCL NCLM: 435/069.100
NCLS: 435/226.000; 435/254.200
IC [7]
ICM: C12P021-02
ICS: C12N009-64; C12N001-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 175 OF 391 USPATFULL on STN
AN 2003:64730 USPATFULL
TI Secreted protein HCEJQ69
IN Ruben, Steven M., Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Endress, Gregory A., Florence, MA, UNITED STATES
Carter, Kenneth C., North Potomac, MD, UNITED STATES
Mucenski, Michael, Cincinnati, OH, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES (U.S.
corporation)
PI US 2003044851 A1 20030306
US 6627741 B2 20030930
AI US 2001-12542 A1 20011212 (10)
RLI Division of Ser. No. US 1999-461325, filed on 14 Dec 1999, PENDING
Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999,
UNKNOWN
PRAI US 1998-89507P 19980616 (60)
US 1998-89508P 19980616 (60)
US 1998-89509P 19980616 (60)
US 1998-89510P 19980616 (60)
US 1998-90112P 19980622 (60)
US 1998-90113P 19980622 (60)
DT Utility
FS APPLICATION
LN.CNT 18831
INCL INCLM: 435/007.200
INCLS: 530/387.100; 435/326.000
NCL NCLM: 530/389.200
NCLS: 530/387.100; 530/387.300; 530/387.700; 530/388.100; 530/388.150;
530/387.900; 530/389.200; 530/389.100
IC [7]
ICM: G01N033-53
ICS: C07K016-00; C12N005-16; C12N005-06; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 176 OF 391 USPATFULL on STN
AN 2003:46308 USPATFULL
TI Transgenic animals and cell lines for screening drugs effective for the
treatment or prevention of Alzheimer's disease
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES
Wands, Jack R., Waban, MA, UNITED STATES
PI US 2003033621 A1 20030213
AT US 2001-064667 A1 20010822 (60)

of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN
PRAI US 1997-38908P 19970226 (60)
DT Utility
FS APPLICATION
LN.CNT 2088
INCL INCLM: 800/012.000
INCLS: 800/014.000; 435/325.000; 435/456.000; 536/023.200; 435/320.100
NCL NCLM: 800/012.000
NCLS: 800/014.000; 435/325.000; 435/456.000; 536/023.200; 435/320.100
IC [7]
ICM: A01K067-027
ICS: C07H021-04; C12N005-06; C12N015-86
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 177 OF 391 USPATFULL on STN
AN 2003:45292 USPATFULL
TI Smilagenin and its use
IN Xia, Zongqin, Shanghai, CHINA
Rubin, Ian, Leicester, UNITED KINGDOM
Whittle, Brian, East Yorkshire, UNITED KINGDOM
Gunning, Philip, Essex, UNITED KINGDOM
Hu, Yaer, Shanghai, CHINA
Brostoff, Jonathan, London, UNITED KINGDOM
Wang, Weijun, Cambridgeshire, UNITED KINGDOM
PI US 2003032604 A1 20030213
AI US 2002-228153 A1 20020826 (10)
RLI Continuation of Ser. No. US 2001-866234, filed on 25 May 2001, ABANDONED
Division of Ser. No. US 1999-362328, filed on 28 Jul 1999, GRANTED, Pat.
No. US 6258386
PRAI GB 1999-5275 19990308
DT Utility
FS APPLICATION
LN.CNT 682
INCL INCLM: 514/026.000
NCL NCLM: 514/026.000
IC [7]
ICM: A61K031-704
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 178 OF 391 USPATFULL on STN
AN 2003:38351 USPATFULL
TI Novel genes encoding proteins having prognostic, diagnostic, preventive,
therapeutic, and other uses
IN Holtzman, Douglas A., Jamaica Plain, MA, UNITED STATES
Barnes, Thomas M., Brookline, MA, UNITED STATES
PI US 2003027998 A1 20030206
AI US 2001-796753 A1 20010301 (9)
RLI Continuation-in-part of Ser. No. US 1998-183175, filed on 30 Oct 1998,
ABANDONED Continuation-in-part of Ser. No. US 2000-599596, filed on 22
Jun 2000, ABANDONED Division of Ser. No. US 1998-223546, filed on 30 Dec
1998, ABANDONED Division of Ser. No. US 1999-471179, filed on 23 Dec
1999, PENDING Continuation-in-part of Ser. No. US 1998-223546, filed on
30 Dec 1998, ABANDONED Continuation-in-part of Ser. No. US 1999-474072,
filed on 29 Dec 1999, PENDING Continuation-in-part of Ser. No. US
1998-224246, filed on 30 Dec 1998, ABANDONED Continuation-in-part of
Ser. No. US 1999-474071, filed on 29 Dec 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-223094, filed on 30 Dec 1998,
ABANDONED Continuation-in-part of Ser. No. US 2000-514010, filed on 25
Feb 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-259388,
filed on 26 Feb 1999, ABANDONED Continuation-in-part of Ser. No. US
2000-516745, filed on 1 Mar 2000, ABANDONED Continuation-in-part of Ser.
No. US 2000-597993, filed on 19 Jun 2000, PENDING Continuation-in-part
of Ser. No. US 1999-336536, filed on 18 Jun 1999, PENDING
Continuation-in-part of Ser. No. US 2000-630334, filed on 31 Jul 2000,
PENDING Continuation-in-part of Ser. No. US 1999-365164, filed on 30 Jul
1999, ABANDONED Continuation-in-part of Ser. No. US 2000-665666, filed
on 20 Sep 2000, PENDING Continuation-in-part of Ser. No. US 1999-399723,
filed on 20 Sep 1999, ABANDONED Continuation-in-part of Ser. No. US
2000-667751, filed on 21 Sep 2000, PENDING Continuation-in-part of Ser.
No. US 1999-409634, filed on 30 Sep 1999, ABANDONED Continuation-in-part
of Ser. No. US 2000-572002, filed on 15 May 2000, PENDING
Continuation-in-part of Ser. No. US 1999-312359, filed on 14 May 1999,
ABANDONED Continuation-in-part of Ser. No. US 2000-606565, filed on 29
Jun 2000, PENDING Continuation-in-part of Ser. No. US 1999-342687, filed

No. US 1999-345464, filed on 30 Jun 1999, ABANDONED
PRAI US 1999-122458P 19990301 (60)
DT Utility
FS APPLICATION
LN.CNT 22222
INCL INCLM: 536/023.100
NCL NCLM: 536/023.100
IC [7]
ICM: C07H021-02
ICS: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 179 OF 391 USPATFULL on STN
AN 2003:37643 USPATFULL
TI Methods of screening for agents that inhibit aggregation of polypeptides
IN Housman, David E., Newton, MA, UNITED STATES
Preisinger, Elizabeth A., Roslindale, MA, UNITED STATES
Kazantsev, Aleksey G., Boston, MA, UNITED STATES
PA Massachusetts Institute of Technology, a Massachusetts corporation (U.S. corporation)
PI US 2003027288 A1 20030206
AI US 2002-194584 A1 20020712 (10)
RLI Division of Ser. No. US 1999-405048, filed on 27 Sep 1999, GRANTED, Pat. No. US 6420122
DT Utility
FS APPLICATION
LN.CNT 1058
INCL INCLM: 435/091.100
INCLS: 435/091.330; 424/186.100; 424/208.100
NCL NCLM: 435/091.100
NCLS: 435/091.330; 424/186.100; 424/208.100
IC [7]
ICM: C12P019-34
ICS: A61K039-12; A61K039-21

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 180 OF 391 USPATFULL on STN
AN 2003:37614 USPATFULL
TI Novel ABCG4 transporter and uses thereof
IN Chen, Hongyun, Vancouver, CANADA
Le Bihan, Stephane, Vancouver, CANADA
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA (non-U.S. corporation)
PI US 2003027259 A1 20030206
AI US 2002-90455 A1 20020301 (10)
PRAI US 2001-272886P 20010302 (60)
US 2001-309262P 20010731 (60)
US 2001-316339P 20010829 (60)
DT Utility
FS APPLICATION
LN.CNT 4484
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 181 OF 391 USPATFULL on STN
AN 2003:37603 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003027248 A1 20030206
AI US 2001-924340 A1 20010806 (9)
PRAI US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION

INCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200;
435/006.000
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200;
435/006.000
IC [7]
ICM: C12P021-02
ICS: C12Q001-68; C07H021-04; C12N009-00; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 182 OF 391 USPATFULL on STN
AN 2003:37523 USPATFULL
TI High-throughput transcriptome and functional validation analysis
IN Gan, Li, San Francisco, CA, UNITED STATES
Gonzalez-Zulueta, Mirella, Pacifica, CA, UNITED STATES
Anton, Kristin, San Ramon, CA, UNITED STATES
Wilson, Richa, San Francisco, CA, UNITED STATES
Melcher, Thorsten, San Francisco, CA, UNITED STATES
Chin, Daniel, Foster City, CA, UNITED STATES
PA AGY Therapeutics, Inc., South San Francisco, CA, UNITED STATES, 94080
(U.S. corporation)
PI US 2003027168 A1 20030206
AI US 2001-27807 A1 20011019 (10)
RLI Continuation-in-part of Ser. No. US 2000-627362, filed on 28 Jul 2000,
PENDING
PRAI US 1999-146640P 19990730 (60)
DT Utility
FS APPLICATION
LN.CNT 2696
INCL INCLM: 435/006.000
INCLS: 435/091.200
NCL NCLM: 435/006.000
NCLS: 435/091.200
IC [7]
ICM: C12Q001-68
ICS: C12P019-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 183 OF 391 USPATFULL on STN
AN 2003:37516 USPATFULL
TI ***Human*** cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003027161 A1 20030206
AI US 2001-992600 A1 20011113 (9)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-IB1715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LN.CNT 25529
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 800/008.000
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 800/008.000
IC [7]
ICM: C12Q001-68
ICS: A01K067-00; C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 184 OF 391 USPATFULL on STN
AN 2003:37513 USPATFULL
TI Novel nucleic acid sequences encoding ***human*** breast
tumor-associated protein 47-like polypeptides
IN Shinkets, Richard A., West Haven, CT, UNITED STATES
Fernandes, Elma, Branford, CT, UNITED STATES
Herrman, John, Guilford, CT, UNITED STATES
Vernet, Corine, Gainesville, FL, UNITED STATES

PI US 2003027158 A1 20030206
AI US 2001-977418 A1 20011015 (9)
RLI Continuation of Ser. No. US 2000-584411, filed on 31 May 2000, PENDING
PRAI US 2000-201388P 20000503 (60)
US 2000-193086P 20000330 (60)
US 2000-191158P 20000322 (60)
US 2000-189810P 20000316 (60)
US 1999-137322P 19990603 (60)

DT Utility
FS APPLICATION

LN.CNT 7101

INCL INCLM: 435/006.000
INCLS: 435/007.230; 435/069.100; 435/325.000; 435/320.100; 536/023.200

NCL NCLM: 435/006.000
NCLS: 435/007.230; 435/069.100; 435/325.000; 435/320.100; 536/023.200

IC [7]
ICM: C12Q001-68
ICS: G01N033-574; C07H021-04; C12P021-02; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 185 OF 391 USPATFULL on STN

AN 2003:32043 USPATFULL

TI TRANSGENIC C. ELEGANS AS A MODEL ORGANISM FOR INVESTIGATIONS ON
ALZHEIMER'S DISEASE

IN PERAUS, GISELA, MUNCHEN, GERMANY, FEDERAL REPUBLIC OF
HOPPE, EDMUND, KRAILING, GERMANY, FEDERAL REPUBLIC OF
BAUMEISTER, RALF, GROBENZELL, GERMANY, FEDERAL REPUBLIC OF

PI US 2003023997 A1 20030130
AI US 1999-422569 A1 19991021 (9)

PRAI DE 1998-19849073 19981024

DT Utility
FS APPLICATION

LN.CNT 841

INCL INCLM: 800/013.000
INCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 435/069.700;
435/455.000

NCL NCLM: 800/013.000
NCLS: 536/023.500; 435/320.100; 435/325.000; 435/069.100; 435/069.700;
435/455.000

IC [7]
ICM: A01K067-00
ICS: C07H021-04; C12P021-04; C12N015-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 186 OF 391 USPATFULL on STN

AN 2003:30408 USPATFULL

TI Vectors and methods for gene transfer

IN Wickham, Thomas J., Germantown, MD, UNITED STATES
Kovesdi, Imre, Rockville, MD, UNITED STATES
Brough, Douglas E., Gaithersburg, MD, UNITED STATES

PA GenVec, Inc., Gaithersburg, MD (U.S. corporation)

PI US 2003022355 A1 20030130
AI US 2001-999724 A1 20011024 (9)

RLI Continuation of Ser. No. US 1999-101751, filed on 29 Jan 1999, PENDING A
371 of International Ser. No. WO 1996-US19150, filed on 27 Nov 1996,
UNKNOWN Continuation-in-part of Ser. No. US 1995-563368, filed on 28 Nov
1995, PATENTED Continuation-in-part of Ser. No. US 1996-701124, filed on
21 Aug 1996, PATENTED Continuation-in-part of Ser. No. US 1996-700846,
filed on 21 Aug 1996, PATENTED Continuation-in-part of Ser. No. US
1996-634060, filed on 17 Apr 1996, PATENTED Continuation-in-part of Ser.
No. US 1994-303162, filed on 8 Sep 1994, PATENTED

DT Utility
FS APPLICATION

LN.CNT 3106

INCL INCLM: 435/235.100
INCLS: 435/456.000

NCL NCLM: 435/235.100
NCLS: 435/456.000

IC [7]
ICM: C12N015-861
ICS: C12N007-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 187 OF 391 USPATFULL on STN

IN Thinakaran, Gopal, Chicago, IL, UNITED STATES
PI US 2003022151 A1 20030130
AI US 2002-51767 A1 20020117 (10)
PRAI US 2001-262353P 20010117 (60)
DT Utility
FS APPLICATION
LN.CNT 3900
INCL INCLM: 435/004.000
INCLS: 435/006.000; 435/007.200
NCL NCLM: 435/004.000
NCLS: 435/006.000; 435/007.200
IC [7]
ICM: C12Q001-00
ICS: C12Q001-68; G01N033-53; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 188 OF 391 USPATFULL on STN
AN 2003:26157 USPATFULL
TI Therapy for ****human**** cancers using cisplatin and other drugs or
genes encapsulated into liposomes
IN Boulikas, Teni, 249 Matadero Ave., Palo Alto, CA, United States 94306
PI US 6511676 B1 20030128
AI US 1999-434345 19991105 (9)
DT Utility
FS GRANTED
LN.CNT 1642
INCL INCLM: 424/450.000
INCLS: 264/004.100; 264/004.300
NCL NCLM: 424/450.000
NCLS: 264/004.100; 264/004.300
IC [7]
ICM: A61K009-127
EXF 424/450; 264/4.1; 264/4.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 189 OF 391 USPATFULL on STN
AN 2003:18018 USPATFULL
TI Composition, synthesis and therapeutic applications of polyamines
IN Murphy, Michael A., La Jolla, CA, UNITED STATES
MaLachowski, Mitchell R., San Diego, CA, UNITED STATES
PI US 2003013772 A1 20030116
AI US 2001-17235 A1 20011218 (10)
RLI Continuation-in-part of Ser. No. US 2000-486310, filed on 23 Feb 2000,
PENDING A 371 of International Ser. No. WO 1998-US17301, filed on 21 Aug
1998, UNKNOWN A 371 of International Ser. No. US 1997-915660, filed on
21 Aug 1997, GRANTED, Pat. No. US 5906996
DT Utility
FS APPLICATION
LN.CNT 3034
INCL INCLM: 514/674.000
INCLS: 564/512.000
NCL NCLM: 514/674.000
NCLS: 564/512.000
IC [7]
ICM: A61K031-13
ICS: C07C211-14
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 190 OF 391 USPATFULL on STN
AN 2003:17384 USPATFULL
TI ****Human**** KCR1 regulation of HERG potassium channel block
IN Balser, Jeffrey R., Brentwood, TN, UNITED STATES
George, Alfred L., JR., Brentwood, TN, UNITED STATES
Roden, Dan M., Nashville, TN, UNITED STATES
PI US 2003013136 A1 20030116
AI US 2001-151 A1 20011030 (10)
PRAI US 2000-244340P 20001030 (60)
DT Utility
FS APPLICATION
LN.CNT 5075
INCL INCLM: 435/007.210
INCLS: 435/006.000; 435/455.000; 435/325.000
NCL NCLM: 435/007.210
NCLS: 435/006.000; 435/455.000; 435/325.000
IC [7]

ICS: C12Q001-68; C12P021-02; C12N005-06; C12N015-85
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 191 OF 391 USPATFULL on STN
AN 2003:13325 USPATFULL
TI Heterocyclic compounds, pharmaceutical compositions comprising same, and methods for inhibiting .- ***beta*** .- ***amyloid*** peptide release and/or its synthesis by use of such compounds
IN Thorsett, Eugene D., Moss Beach, CA, United States
Porter, Warren J., Indianapolis, IN, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Latimer, Lee H., Oakland, CA, United States
Audia, James E., Indianapolis, IN, United States
Droste, James, Indianapolis, IN, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)
Eli Lilly Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6506782 B1 20030114
AI US 1998-32019 19980227 (9)
DT Utility
FS GRANTED
LN.CNT 9870
INCL INCLM: 514/364.000
NCL NCLM: 514/364.000
IC [7]
ICM: A61K031-4245
EXF 514/364
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 192 OF 391 USPATFULL on STN
AN 2003:11397 USPATFULL
TI In vivo multiphoton diagnostic detection and imaging of a neurodegenerative disease
IN Hyman, Bradley T., Charlestown, MA, UNITED STATES
Christie, Richard, New York, NY, UNITED STATES
Bacsikai, Brian, Charlestown, MA, UNITED STATES
Webb, Watt W., Ithaca, NY, UNITED STATES
Zipfel, Warren R., Ithaca, NY, UNITED STATES
PI US 2003009104 A1 20030109
AI US 2001-1643 A1 20011031 (10)
PRAI US 2000-245306P 20001102 (60)
DT Utility
FS APPLICATION
LN.CNT 1919
INCL INCLM: 600/476.000
NCL NCLM: 600/476.000
IC [7]
ICM: A61B006-00

L4 ANSWER 193 OF 391 USPATFULL on STN
AN 2003:6903 USPATFULL
TI Amino lactam sulfonamides as inhibitors of A.beta. protein production
IN Thompson, Lorin Andrew, Wilmington, DE, United States
Han, Amy Qi, Hockessin, DE, United States
PA Bristol Myers Squibb Pharma Company, United States (U.S. corporation)
PI US 6503901 B1 20030107
AI US 2000-684718 20001007 (9)
PRAI US 1999-158565P 19991008 (60)
DT Utility
FS GRANTED
LN.CNT 5315
INCL INCLM: 514/221.000
INCLS: 540/509.000
NCL NCLM: 514/221.000
NCLS: 540/509.000
IC [7]
ICM: C07D413-12
ICS: C07D409-12; C07D401-12; A61K031-55; A61P025-28
EXF 540/509; 514/221
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 194 OF 391 USPATFULL on STN
AN 2003:4108 USPATFULL
TI 5-beta-sapogenin and pseudosapogenin derivatives and their use in the

Hanson, Jim, West Sussex, UNITED KINGDOM
Gunning, Phil, Cambs, UNITED KINGDOM
Rees, Daryl, Sandy, UNITED KINGDOM
Xia, Zongqin, Shanghai, CHINA
Hu, Yaer, Shanghai, CHINA

PI US 2003004147 A1 20030102
AI US 2002-109095 A1 20020328 (10)
RLI Continuation-in-part of Ser. No. WO 2000-GB37367, filed on 29 Sep 2000,
UNKNOWN
PRAI GB 1999-23076 19990929
DT Utility
FS APPLICATION
LN.CNT 1261
INCL INCLM: 514/172.000
INCLS: 514/173.000
NCL NCLM: 514/172.000
NCLS: 514/173.000
IC [7]
ICM: A61K031-58
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 195 OF 391 USPATFULL on STN
AN 2003:4068 USPATFULL
TI Method of preventing cell death using segments of neural thread proteins
IN Averback, Paul A., Beaconsfield, CANADA
PI US 2003004107 A1 20030102
AI US 2002-146130 A1 20020516 (10)
PRAI US 2001-290971P 20010516 (60)
DT Utility
FS APPLICATION
LN.CNT 1698
INCL INCLM: 514/012.000
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000
NCL NCLM: 514/012.000
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000
IC [7]
ICM: A61K038-17
ICS: A61K038-10; A61K038-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 196 OF 391 USPATFULL on STN
AN 2003:3520 USPATFULL
TI 90 ****human**** secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Janat, Fouad, Westerly, RI, UNITED STATES
PI US 2003003555 A1 20030102
AI US 2001-774639 A1 20010201 (9)
RLI Continuation of Ser. No. US 1999-244112, filed on 4 Feb 1999, ABANDONED
Continuation-in-part of Ser. No. WO 1998-US16235, filed on 4 Aug 1998,
UNKNOWN
PRAI US 1997-55386P 19970805 (60)
US 1997-54807P 19970805 (60)
US 1997-55312P 19970805 (60)
US 1997-55309P 19970805 (60)
US 1997-54798P 19970805 (60)
US 1997-55310P 19970805 (60)
US 1997-54806P 19970805 (60)
US 1997-54809P 19970805 (60)
US 1997-54804P 19970805 (60)
US 1997-54803P 19970805 (60)
US 1997-54808P 19970805 (60)
US 1997-55311P 19970805 (60)
US 1997-55986P 19970818 (60)
US 1997-55970P 19970818 (60)
US 1997-55563P 19970818 (60)

US 1997-56731P 19970819 (60)
US 1997-56365P 19970819 (60)
US 1997-56367P 19970819 (60)
US 1997-56370P 19970819 (60)
US 1997-56364P 19970819 (60)
US 1997-56366P 19970819 (60)
US 1997-56732P 19970819 (60)
US 1997-56371P 19970819 (60)
DT Utility
FS APPLICATION
LN.CNT 15472
INCL INCLM: 435/183.000
INCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/388.100;
536/023.200
NCL NCLM: 435/183.000
NCLS: 435/006.000; 435/069.100; 435/325.000; 435/320.100; 530/388.100;
536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12N005-06; C07K016-40; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 197 OF 391 USPATFULL on STN
AN 2003:3410 USPATFULL
TI Method of preventing cell death using ***antibodies*** to neural
thread proteins
IN Averback, Paul A., Quebec, CANADA
PI US 2003003445 A1 20030102
AI US 2002-138516 A1 20020506 (10)
PRAI US 2001-288463P 20010504 (60)
DT Utility
FS APPLICATION
LN.CNT 1705
INCL INCLM: 435/005.000
INCLS: 435/069.100; 435/345.000; 435/007.100
NCL NCLM: 435/005.000
NCLS: 435/069.100; 435/345.000; 435/007.100
IC [7]
ICM: C12Q001-70
ICS: G01N033-53; C12P021-06; C12N005-06; C12N005-16
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 198 OF 391 USPATFULL on STN
AN 2002:346816 USPATFULL
TI Aspartyl protease 2 (Asp2) antisense oligonucleotides
IN Gurney, Mark E., Grand Rapids, MI, United States
Bienkowski, Michael J., Portage, MI, United States
Heinrikson, Robert L., Plainwell, MI, United States
Parodi, Luis A., Stockholm, SWEDEN
Yan, Riqiang, Kalamazoo, MI, United States
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.
corporation)
PI US 6500667 B1 20021231
AI US 2000-551853 20000418 (9)
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999
PRAI US 1998-101594P 19980924 (60)
US 1999-155493P 19990923 (60)
DT Utility
FS GRANTED
LN.CNT 5638
INCL INCLM: 435/375.000
INCLS: 536/023.100; 536/024.100; 536/024.500; 514/044.000
NCL NCLM: 435/375.000
NCLS: 514/044.000; 536/023.100; 536/024.100; 536/024.500
IC [7]
ICM: C12N005-00
EXF 536/23.1; 536/24.1; 536/24.5; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 199 OF 391 USPATFULL on STN
AN 2002:343880 USPATFULL
TI Compositions and methods for monitoring the modification of modification

PI US 2002197606 A1 20021226
AI US 2001-770102 A1 20010125 (9)
PRAI US 2000-179283P 20000131 (60)
DT Utility
FS APPLICATION
LN.CNT 3550
INCL INCLM: 435/006.000
NCL NCLM: 435/006.000
IC [7]
ICM: C12Q001-68

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 200 OF 391 USPATFULL on STN
AN 2002:339256 USPATFULL
TI Transgenic knockouts of BACE-1
IN McConlogue, Lisa, Burlingame, CA, UNITED STATES
Gurney, Mark E., Reykjavik, ICELAND
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, UNITED STATES,
94080 (U.S. corporation)
PI US 2002194632 A1 20021219
AI US 2002-82804 A1 20020222 (10)
PRAI US 2001-271092P 20010223 (60)
US 2001-271514P 20010226 (60)
US 2001-293762P 20010525 (60)

DT Utility
FS APPLICATION
LN.CNT 1051
INCL INCLM: 800/012.000
INCLS: 800/018.000
NCL NCLM: 800/012.000
NCLS: 800/018.000
IC [7]
ICM: A01K067-027

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 201 OF 391 USPATFULL on STN
AN 2002:337952 USPATFULL
TI steroidal sapogenins and their derivatives for treating alzheimer's
disease
IN Xia, Zongqin, Shanghai, CHINA
Hu, Yaer, Shanghai, CHINA
Rubin, Ian, Nottingham, UNITED KINGDOM
Brostoff, Jonathan, London, UNITED KINGDOM
Whittle, Brian, East Yorkshire, UNITED KINGDOM
Wang, Weijun, Huntingdon, UNITED KINGDOM
Gunning, Phil, Grantchester, UNITED KINGDOM
PI US 2002193317 A1 20021219
AI US 2002-77493 A1 20020215 (10)
RLI Continuation of Ser. No. US 2001-647110, filed on 11 Jan 2001, ABANDONED
PRAI GB 1998-6513 19980326
GB 1999-5275 19990308

DT Utility
FS APPLICATION
LN.CNT 885
INCL INCLM: 514/026.000
INCLS: 514/033.000
NCL NCLM: 514/026.000
NCLS: 514/033.000
IC [7]
ICM: A61K031-704

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 202 OF 391 USPATFULL on STN
AN 2002:337363 USPATFULL
TI Modular molecular clasps and uses thereof
IN Rizzuto, Carlo Dante, Cambridge, MA, UNITED STATES
Afeyan, Noubar Boghos, Lexington, MA, UNITED STATES
Lee, Frank Don, Chestnut Hill, MA, UNITED STATES
Church, George McDonald, Brookline, MA, UNITED STATES
Gupta, Ruchira Das, Jamaica Plain, MA, UNITED STATES
Schwartz, John Jacob, Newtonville, MA, UNITED STATES
Zhang, Bin, Belmont, CA, UNITED STATES
Lugovskoy, Alexey Alexandrovich, Brighton, MA, UNITED STATES
PA engeneOS, Inc., Waltham, MA (U.S. corporation)
US 2002193317 A1 20021219

PRAI US 2001-279524P 20010328 (60)

DT Utility

FS APPLICATION

LN.CNT 2440

INCL INCLM: 435/007.900

INCLS: 435/287.200

NCL NCLM: 435/007.900

NCLS: 435/287.200

IC [7]

ICM: G01N033-53

ICS: G01N033-542; C12M001-34

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 203 OF 391 USPATFULL on STN

AN 2002:330416 USPATFULL

TI CHIMERIC DNA-BINDING/DNA METHYLTRANSFERASE NUCLEIC ACID AND POLYPEPTIDE AND USES THEREOF

IN BESTOR, TIMOTHY H., NEW YORK, NY, UNITED STATES

PI US 2002188103 A1 20021212

AI US 1998-51013 A1 19981009 (9)

WO 1996-US15576 19960927

DT Utility

FS APPLICATION

LN.CNT 2050

INCL INCLM: 530/350.000

INCLS: 435/320.100; 435/325.000; 435/455.000; 435/456.000; 435/458.000;

435/459.000; 435/461.000; 424/093.200; 514/044.000; 536/023.100;

536/023.200; 536/023.500; 800/013.000

NCL NCLM: 530/350.000

NCLS: 435/320.100; 435/325.000; 435/455.000; 435/456.000; 435/458.000;

435/459.000; 435/461.000; 424/093.200; 514/044.000; 536/023.100;

536/023.200; 536/023.500; 800/013.000

IC [7]

ICM: C07K001-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 204 OF 391 USPATFULL on STN

AN 2002:330327 USPATFULL

TI Method for treating Alzheimer's disease

IN Bisgaier, Charles Larry, Ann Arbor, MI, UNITED STATES

Emmerling, Mark Richard, Chelsea, MI, UNITED STATES

PI US 2002188012 A1 20021212

AI US 2002-71663 A1 20020208 (10)

RLI Continuation of Ser. No. US 2000-554994, filed on 23 May 2000, ABANDONED

A 371 of International Ser. No. WO 1998-US25495, filed on 2 Dec 1998,

UNKNOWN

PRAI US 1998-72912P 19980128 (60)

DT Utility

FS APPLICATION

LN.CNT 822

INCL INCLM: 514/356.000

INCLS: 514/369.000; 514/381.000; 514/560.000; 514/572.000; 514/574.000

NCL NCLM: 514/356.000

NCLS: 514/369.000; 514/381.000; 514/560.000; 514/572.000; 514/574.000

IC [7]

ICM: A61K031-455

ICS: A61K031-426; A61K031-41; A61K031-202; A61K031-19

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 205 OF 391 USPATFULL on STN

AN 2002:330245 USPATFULL

TI Phosphinylmethyl and phosphorylmethyl succinic and glutauric acid analogs as B-secretase inhibitors

IN Qiao, Lixin, Arlington, VA, UNITED STATES

Etcheberrigaray, Rene, Columbia, MD, UNITED STATES

PI US 2002187928 A1 20021212

US 6562783 B2 20030513

AI US 2001-866764 A1 20010530 (9)

DT Utility

FS APPLICATION

LN.CNT 824

INCL INCLM: 514/007.000

INCLS: 514/080.000; 514/081.000; 514/120.000; 530/331.000; 544/243.000;

544/244.000; 546/021.000; 562/011.000; 562/024.000; 562/012.000

514/007.000

IC [7]
ICM: A61K038-06
ICS: C07F009-28; A61K031-675; C07F009-6512
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 206 OF 391 USPATFULL on STN
AN 2002:323128 USPATFULL
TI Sapogenin derivatives and their use in the treatment of cognitive dysfunction
IN Barraclough, Paul, Maidstone, UNITED KINGDOM
Hanson, Jim, Steyning, UNITED KINGDOM
Gunning, Phil, Grantchester, UNITED KINGDOM
Rees, Daryl, Sandy, UNITED KINGDOM
Xia, Zongqin, Shanghai, CHINA
Hu, Yaer, Shanghai, CHINA
PI US 2002183294 A1 20021205
AI US 2002-109204 A1 20020328 (10)
RLI Continuation-in-part of Ser. No. WO 2000-GB3745, filed on 29 Sep 2000, UNKNOWN
PRAI GB 1999-23077 19990929
DT Utility
FS APPLICATION
LN.CNT 1039
INCL INCLM: 514/172.000
INCLS: 514/178.000
NCL NCLM: 514/172.000
NCLS: 514/178.000
IC [7]
ICM: A61K031-58
ICS: A61K031-56
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 207 OF 391 USPATFULL on STN
AN 2002:314710 USPATFULL
TI ***HUMAN*** SEL-10 POLYPEPTIDES AND POLYNUCLEOTIDES THAT ENCODE THEM
IN GURNEY, MARK E., GRAND RAPIDS, MI, UNITED STATES
PAULEY, ADELE M., PLAINWELL, MI, UNITED STATES
LI, JINHE, KALAMAZOO, MI, UNITED STATES
PI US 2002177187 A1 20021128
AI US 1999-328877 A1 19990609 (9)
PRAI US 1997-68243P 19971219 (60)
DT Utility
FS APPLICATION
LN.CNT 2859
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 424/130.100; 435/007.100
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 424/130.100; 435/007.100
IC [7]
ICM: C07K017-00
ICS: C07K014-00; C07K001-00; C12N005-02; C12N005-00; C12N015-74; C12N015-70; C12N015-63; C12N015-09; C12N015-00; A61K039-395; C12P021-06; G01N033-53
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 208 OF 391 USPATFULL on STN
AN 2002:314672 USPATFULL
TI Systems and methods for automated analysis of cells and tissues
IN Rimm, David L., Branford, CT, UNITED STATES
Camp, Robert L., Stamford, CT, UNITED STATES
PI US 2002177149 A1 20021128
AI US 2002-62308 A1 20020201 (10)
PRAI US 2001-334723P 20011031 (60)
US 2001-285155P 20010420 (60)
DT Utility
FS APPLICATION
LN.CNT 1254
INCL INCLM: 435/006.000
INCLS: 435/007.200; 702/019.000; 702/020.000; 382/128.000
NCL NCLM: 435/006.000
NCLS: 435/007.200; 702/019.000; 702/020.000; 382/128.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; G01N033-567; G06F019-00; G01N033-48; G01N033-50;
G06K008-00

L4 ANSWER 209 OF 391 USPATFULL on STN
 AN 2002:311059 USPATFULL
 TI Biological reagents and methods for determining the mechanism in the generation of . ***beta*** .- ***amyloid*** peptide
 IN Audia, James E., Indianapolis, IN, United States
 Hyslop, Paul A., Indianapolis, IN, United States
 Nissen, Jeffrey S., Indianapolis, IN, United States
 Thompson, Richard C., Frankfort, IN, United States
 Tung, Jay S., Belmont, CA, United States
 Tanner, Laura I., San Francisco, CA, United States
 PA Elan Pharmaceuticals Inc., So. San Francisco, CA, United States (U.S. corporation)
 Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
 PI US 6486350 B1 20021126
 AI US 1999-408283 19990929 (9)
 PRAI US 1998-160082P 19980930 (60)
 DT Utility
 FS GRANTED
 LN.CNT 2017
 INCL INCLM: 564/153.000
 INCLS: 560/025.000; 560/027.000; 560/029.000; 540/522.000
 NCL NCLM: 564/153.000
 NCLS: 540/522.000; 560/025.000; 560/027.000; 560/029.000
 IC [7]
 ICM: C07C233-05
 EXF 564/153; 560/25; 560/27; 560/29; 540/522
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 210 OF 391 USPATFULL on STN
 AN 2002:311025 USPATFULL
 TI Interleukin-20
 IN Ebner, Reinhard, Gaithersburg, MD, United States
 Murphy, Marianne, Richmond, UNITED KINGDOM
 Ruben, Steven M., Olney, MD, United States
 Hu, Jing-Shan, Sunnyvale, CA, United States
 Duan, D. Roxanne, Bethesda, MD, United States
 Florence, Kimberly A., Rockville, MD, United States
 Rosen, Craig A., Laytonsville, MD, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)
 PI US 6486301 B1 20021126
 AI US 1999-231788 19990115 (9)
 RLI Continuation-in-part of Ser. No. US 1998-115832, filed on 15 Jul 1998
 PRAI US 1997-52870P 19970716 (60)
 US 1997-60140P 19970926 (60)
 US 1997-55952P 19970818 (60)
 DT Utility
 FS GRANTED
 LN.CNT 5643
 INCL INCLM: 530/351.000
 INCLS: 424/085.100
 NCL NCLM: 530/351.000
 NCLS: 424/085.100
 IC [7]
 ICM: C07K014-475
 ICS: A61K038-19
 EXF 530/351; 424/85.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 211 OF 391 USPATFULL on STN
 AN 2002:310800 USPATFULL
 TI Testis-specific ***human*** SVPH1-8 proteinase
 IN Cerretti, Douglas P., Seattle, WA, United States
 PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)
 PI US 6485956 B1 20021126
 AI US 2000-617145 20000714 (9)
 DT Utility
 FS GRANTED
 LN.CNT 2072
 INCL INCLM: 435/219.000
 INCLS: 435/069.100; 435/183.000; 435/218.000
 NCL NCLM: 435/219.000
 NCLS: 435/069.100; 435/183.000; 435/218.000
 IC [7]

ICS: C12N009-00; C12N009-66; C12N009-50
EXF 435/69.1; 435/183; 435/212; 435/219
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 212 OF 391 USPATFULL on STN
AN 2002:310766 USPATFULL
TI Methods for determining risk of developing alzheimer's disease by
detecting mutations in the presenilin 2 (PS-2) gene
IN St. George-Hyslop, Peter H., Toronto, CANADA
Rommens, Johanna M., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA HSC Research and Development Limited Partnership, CANADA (non-U.S.
corporation)
The Governing Council of the University of Toronto, CANADA (non-U.S.
corporation)
PI US 6485911 B1 20021126
AI US 2000-636796 20000811 (9)
RLI Division of Ser. No. US 1998-127480, filed on 31 Jul 1998, now patented,
Pat. No. US 6194153 Division of Ser. No. US 1996-592541, filed on 26 Jan
1996, now patented, Pat. No. US 5986054 Continuation-in-part of Ser. No.
US 1995-509359, filed on 31 Jul 1995, now abandoned Continuation-in-part
of Ser. No. US 1995-496841, filed on 28 Jun 1995, now patented, Pat. No.
US 6210919 Continuation-in-part of Ser. No. US 1995-431048, filed on 28
Apr 1995
DT Utility
FS GRANTED
LN.CNT 6790
INCL INCLM: 435/006.000
INCLS: 435/091.200; 435/091.210; 435/091.510; 536/023.500; 536/024.310;
536/024.330
NCL NCLM: 435/006.000
NCLS: 435/091.200; 435/091.210; 435/091.510; 536/023.500; 536/024.310;
536/024.330
IC [7]
ICM: C12Q001-68
EXF 435/6; 435/91.2; 435/91.21; 435/91.51; 536/24.31; 536/24.33; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 213 OF 391 USPATFULL on STN
AN 2002:309311 USPATFULL
TI Identification of genes involved in alzheimer's disease using drosophila
melanogaster
IN Cohen, Dalia, Livingston, NJ, UNITED STATES
Dengler, Uwe Jochen, Loerrach, GERMANY, FEDERAL REPUBLIC OF
Finelli, Alyce Lynn, Parsippany, NJ, UNITED STATES
Freuler, Felix, Riehen, SWITZERLAND
Konsolaki, Mary, Westfield, NJ, UNITED STATES
Reinhardt, Mischa Werner Henri Marie, Bantzenheim, FRANCE
Zusman, Susan, Sudbury, MA, UNITED STATES
PI US 2002174446 A1 20021121
AI US 2001-964899 A1 20010927 (9)
PRAI US 2000-236893P 20000929 (60)
US 2001-298309P 20010614 (60)
DT Utility
FS APPLICATION
LN.CNT 5722
INCL INCLM: 800/008.000
INCLS: 514/001.000
NCL NCLM: 800/008.000
NCLS: 514/001.000
IC [7]
ICM: A01K067-033
ICS: A61K031-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 214 OF 391 USPATFULL on STN
AN 2002:307925 USPATFULL
TI Controlling protein levels in eucaryotic organisms
IN Kenten, John H., Boyds, MD, UNITED STATES
Roberts, Steven F., Bethesda, MD, UNITED STATES
PA Proteinix, Inc. (U.S. corporation)
PI US 2002173049 A1 20021121
US 6559280 B2 20030506
AI US 2001-880132 A1 20010614 (9)
PRAI US 2000-236893P 20000929 (60)
US 2001-298309P 20010614 (60)

DT Utility
FS APPLICATION
LN.CNT 3227
INCL INCLM: 436/501.000
INCLS: 435/041.000; 435/106.000; 435/004.000; 435/007.720; 514/002.000;
530/300.000; 530/350.000; 930/020.000; 424/094.100
NCL NCLM: 530/323.000
NCLS: 424/070.140; 435/004.000; 435/106.000; 435/108.000; 435/109.000;
435/115.000; 435/116.000; 436/501.000; 530/329.000; 530/330.000;
530/331.000; 530/332.000
IC [7]
ICM: A01N037-18
ICS: C12Q001-00; C12P001-00; C12P013-04; C07K004-00; C07K007-00;
C07K016-00; C07K001-00; A61K038-00; G01N033-53; A61K038-43; C07K002-00;
C07K005-00; C07K014-00; C07K017-00; G01N033-566
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 215 OF 391 USPATFULL on STN
AN 2002:307880 USPATFULL
TI Novel ABCA6 transporter and uses thereof
IN Chen, Hongyun, Vancouver, CANADA
Le Bihan, Stephane, Vancouver, CANADA
Kulhanek, Barbara, Surrey, CANADA
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S.
corporation)
PI US 2002173004 A1 20021121
AI US 2002-90453 A1 20020304 (10)
PRAI US 2001-273650P 20010305 (60)
DT Utility
FS APPLICATION
LN.CNT 3798
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.200; 536/024.300
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.200; 536/024.300
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-435; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 216 OF 391 USPATFULL on STN
AN 2002:307870 USPATFULL
TI 28 ****human**** secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
PI US 2002172994 A1 20021121
AI US 2001-852797 A1 20010511 (9)
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,
PENDING Continuation-in-part of ser. No. WO 1998-US4858, filed on 12 Mar
1998, UNKNOWN
PRAI US 2001-265583P 20010202 (60)
US 1997-40762P 19970314 (60)
US 1997-40710P 19970314 (60)
US 1997-50934P 19970530 (60)
US 1997-48100P 19970530 (60)
US 1997-48357P 19970530 (60)
US 1997-48189P 19970530 (60)
US 1997-57765P 19970905 (60)
US 1997-48970P 19970606 (60)
US 1997-68368P 19971219 (60)
DT Utility
FS APPLICATION
LN.CNT 37704

NCL INCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200
NCLM: 435/069.100
NCLS: 435/226.000; 435/325.000; 435/320.100; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 217 OF 391 USPATFULL on STN
AN 2002:303718 USPATFULL
TI Methods of reducing bone loss with CD40 ligand
IN Ahuja, Seema A., San Antonio, TX, United States
Bonewald, Lynda F., San Antonio, TX, United States
PA Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)
PI US 6482411 B1 20021119
AI US 2000-645926 20000824 (9)
PRAI US 1999-151250P 19990827 (60)
DT Utility
FS GRANTED
LN.CNT 5120
INCL INCLM: 424/185.100
INCLS: 424/085.100; 424/184.100; 424/192.100; 424/178.100; 514/002.000; 514/008.000; 514/012.000; 514/885.000; 530/350.000; 530/351.000
NCL NCLM: 424/185.100
NCLS: 424/085.100; 424/178.100; 424/184.100; 424/192.100; 514/002.000; 514/008.000; 514/012.000; 514/885.000; 530/350.000; 530/351.000
IC [7]
ICM: A61K038-17
ICS: A61K038-19; C07K014-435; C07K014-52
EXF 424/85.1; 424/185.1; 424/278.1; 514/2; 514/8; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 218 OF 391 USPATFULL on STN
AN 2002:301592 USPATFULL
TI Regulation of amyloid precursor protein expression by modification of ABC transporter expression or activity
IN Reiner, Peter B., Vancouver, CANADA
Connop, Bruce P., Vancouver, CANADA
Pollard, Michelle, Vancouver, CANADA
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S. corporation)
PI US 2002169137 A1 20021114
AI US 2002-72621 A1 20020208 (10)
PRAI US 2001-267975P 20010209 (60)
US 2001-309256P 20010731 (60)
DT Utility
FS APPLICATION
LN.CNT 3827
INCL INCLM: 514/044.000
INCLS: 514/002.000
NCL NCLM: 514/044.000
NCLS: 514/002.000
IC [7]
ICM: A61K048-00
ICS: A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 219 OF 391 USPATFULL on STN
AN 2002:301144 USPATFULL
TI Inhibition of tau-tau-association
IN Wischik, Claude Michel, Cambridge, UNITED KINGDOM
Edwards, Patricia Carol, Cambridge, UNITED KINGDOM
Harrington, Charles Robert, Cambridge, UNITED KINGDOM
Roth, Martin, Cambridge, UNITED KINGDOM
Klug, Aaron, Cambridge, UNITED KINGDOM
PA University Court of the University of Aberdeen, Aberdeen, UNITED KINGDOM (3)
PI US 2002168687 A1 20021114
AI US 2002-107181 A1 20020328 (10)
RLI Division of Ser. No. US 1997-913915, filed on 12 Dec 1997, GRANTED, Pat. No. US 6376205 A 371 of International Ser. No. WO 1996-EP1307, filed on 25 Mar 1996, UNKNOWN
PRAI GB 1995-6197 19950327
DT Utility

LN.CNT 2030
INCL INCLM: 435/007.100
NCL NCLM: 435/007.100
IC [7]
ICM: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 220 OF 391 USPATFULL on STN
AN 2002:300827 USPATFULL
TI Methods and compositions for treating secondary tissue damage and other
inflammatory conditions and disorders
IN McDonald, John R., Calgary, AB, UNITED STATES
Coggins, Philip J., Calgary, AB, UNITED STATES
PI US 2002168370 A1 20021114
AI US 2001-792793 A1 20010222 (9)
RLI Division of Ser. No. US 1999-453851, filed on 2 Dec 1999, PENDING
Division of Ser. No. US 1999-360242, filed on 22 Jul 1999, PENDING
Continuation of Ser. No. US 1998-120523, filed on 22 Jul 1998, ABANDONED
PRAI WO 1999-CA659 19990721
US 1998-155186P 19980722 (60)
DT Utility
FS APPLICATION
LN.CNT 7972
INCL INCLM: 424/178.100
INCLS: 514/012.000; 530/389.100; 536/023.530; 435/069.100; 435/320.100;
435/325.000
NCL NCLM: 424/178.100
NCLS: 514/012.000; 530/389.100; 536/023.530; 435/069.100; 435/320.100;
435/325.000
IC [7]
ICM: A61K039-395
ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-46

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 221 OF 391 USPATFULL on STN
AN 2002:295299 USPATFULL
TI Iron regulating protein -2 (IRP-2) as a diagnostic for neurodegenerative
disease
IN Kirsch, Wolff M., Redlands, CA, UNITED STATES
Lennart, Anto, Loma Linda, CA, UNITED STATES
Kelln, Wayne J., Loma Linda, CA, UNITED STATES
Kang, Dae-Kyung, Rockville, MD, UNITED STATES
Levine, Rodney L., Rockville, MD, UNITED STATES
Rouault, Tracey A., North Bethesda, MD, UNITED STATES
PI US 2002165349 A1 20021107
AI US 2001-924396 A1 20010806 (9)
PRAI US 2000-222863P 20000804 (60)
DT Utility
FS APPLICATION
LN.CNT 3514
INCL INCLM: 530/350.000
INCLS: 536/023.500; 435/006.000; 435/007.100
NCL NCLM: 530/350.000
NCLS: 536/023.500; 435/006.000; 435/007.100
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C07K014-705

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 222 OF 391 USPATFULL on STN
AN 2002:294717 USPATFULL
TI Catalytically active recombinant memapsin and methods of use thereof
IN Lin, Xinli, Edmond, OK, UNITED STATES
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES
Tang, Jordan J.N., Edmond, OK, UNITED STATES
PA Oklahoma Medical Research Foundation
PI US 2002164760 A1 20021107
AI US 2001-795903 A1 20010228 (9)
RLI Division of Ser. No. US 2000-604608, filed on 27 Jun 2000, PENDING
PRAI US 1999-141363P 19990628 (60)
US 1999-168060P 19991130 (60)
US 2000-177836P 20000125 (60)
US 2000-178368P 20000127 (60)
US 2000-210292P 20000608 (60)
DT Utility

LN.CNT 2440
INCL INCLM: 435/220.000
INCLS: 435/069.100; 435/252.300; 435/320.100
NCL NCLM: 435/220.000
NCLS: 435/069.100; 435/252.300; 435/320.100
IC [7]
ICM: C12N009-52
ICS: C12P021-02; C12N001-21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 223 OF 391 USPATFULL on STN
AN 2002:294625 USPATFULL
TI Nucleic acid molecules, polypeptides and uses therefor, including
diagnosis and treatment of alzheimer's disease
IN Durham, L. Kathryn, New London, CT, UNITED STATES
Friedman, David L., Madison, CT, UNITED STATES
Chandrasiri Herath, Herath Mudiyanseelage Athula, Abingdom, UNITED
KINGDOM
Kimmel, Lida H., Chester, CT, UNITED STATES
Parekh, Rajesh Bhikhu, New Wendlebury, UNITED KINGDOM
Potter, David M., Ledyard, CT, UNITED STATES
Rohlf, Christian, Oxford, UNITED KINGDOM
Silber, B. Michael, Madison, CT, UNITED STATES
Stiger, Thomas R., Pawcatuck, CT, UNITED STATES
Sunderland, P. Trey, Chevy Chase, MD, UNITED STATES
Townsend, Robert Reid, Oxford, UNITED KINGDOM
White, W. Frost, Ledyard, CT, UNITED STATES
Williams, Stephen A., Groton, CT, UNITED STATES
PI US 2002164668 A1 20021107
AI US 2001-826290 A1 20010403 (9)
PRAI US 2000-194504P 20000403 (60)
US 2000-253647P 20001128 (60)

DT Utility
FS APPLICATION

LN.CNT 5696
INCL INCLM: 435/007.920
INCLS: 435/069.100; 435/325.000; 435/226.000; 536/023.200
NCL NCLM: 435/007.920
NCLS: 435/069.100; 435/325.000; 435/226.000; 536/023.200
IC [7]
ICM: G01N033-53
ICS: G01N033-537; G01N033-543; C07H021-04; C12N009-64; C12P021-02;
C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 224 OF 391 USPATFULL on STN
AN 2002:291111 USPATFULL
TI Compounds for inhibiting . ***beta*** .- ***amyloid*** peptide
release and/or its synthesis
IN Wu, Jing, San Mateo, CA, United States
Tung, Jay S., Belmont, CA, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Reel, Jon K., Carmel, IN, United States
Porter, Warren J., Indianapolis, IN, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Mabry, Thomas E., Indianapolis, IN, United States
Latimer, Lee H., Oakland, CA, United States
John, Varghese, San Francisco, CA, United States
Folmer, Beverly K., Newark, DE, United States
Droste, James J., Indianapolis, IN, United States
Britton, Thomas C., Carmel, IN, United States
Audia, James E., Indianapolis, IN, United States
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
corporation)
Eli Lilly Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6476263 B1 20021105
AI US 2001-826412 20010403 (9)
RLI Continuation of ser. No. US 1998-164448, filed on 30 Sep 1998, now
patented, Pat. No. US 6211235 Continuation-in-part of Ser. No. US
1997-976289, filed on 21 Nov 1997, now patented, Pat. No. US 6191166
PRAI US 1996-108166P 19961122 (60)
US 1997-64859P 19970228 (60)
US 1997-108161P 19970228 (60)
US 1997-98558P 19970228 (60)

LN.CNT 12409
INCL INCLM: 564/152.000
INCLS: 564/153.000; 564/159.000; 564/160.000; 564/161.000; 564/041.000;
560/041.000; 562/450.000
NCL NCLM: 564/152.000
NCLS: 560/041.000; 562/450.000; 564/041.000; 564/153.000; 564/159.000;
564/160.000; 564/161.000
IC [7]
ICM: C07C233-00
EXF 564/152; 564/153; 564/159; 564/160; 564/161; 560/41; 562/450
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 225 OF 391 USPATFULL on STN
AN 2002:290742 USPATFULL
TI 94 ****Human**** Secreted Proteins
IN Ruben, Steven M., Olney, MD, United States
Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Wei, Ying-Fei, Berkeley, CA, United States
Young, Paul, Gaithersburg, MD, United States
Florence, Kimberly, Rockville, MD, United States
Soppet, Daniel R., Centreville, VA, United States
Brewer, Laurie A., St. Paul, MN, United States
Endress, Gregory A., Potomac, MD, United States
Carter, Kenneth C., Potomac, MD, United States
Mucenski, Michael, Cincinnati, OH, United States
Ebner, Reinhard, Gaithersburg, MD, United States
Lafleur, David W., Washington, DC, United States
Olsen, Henrik, Gaithersburg, MD, United States
Shi, Yanggu, Gaithersburg, MD, United States
Moore, Paul A., Germantown, MD, United States
Komatsoulis, George, Silver Spring, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6475753 B1 20021105
AI US 1999-461325 19991214 (9)
RLI Continuation-in-part of Ser. No. WO 1999-US13418, filed on 15 Jun 1999
PRAI US 1998-89507P 19980616 (60)
US 1998-89508P 19980616 (60)
US 1998-89509P 19980616 (60)
US 1998-89510P 19980616 (60)
US 1998-90112P 19980622 (60)
US 1998-90113P 19980622 (60)
DT Utility
FS GRANTED
LN.CNT 18031
INCL INCLM: 435/069.100
INCLS: 435/069.400; 435/071.100; 435/252.300; 435/032.500; 435/320.100;
435/471.000; 536/023.500; 530/350.000
NCL NCLM: 435/069.100
NCLS: 435/069.400; 435/071.100; 435/252.300; 435/320.100; 435/325.000;
435/471.000; 530/350.000; 536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N015-12; C12N005-10; C07K014-47
EXF 435/69.1; 435/69.4; 435/71.1; 435/91.1; 435/252.3; 435/325; 435/320.1;
435/471; 536/23.5; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 226 OF 391 USPATFULL on STN
AN 2002:290736 USPATFULL
TI Identification of agents that protect against inflammatory injury to
neurons
IN Giulian, Dana, Houston, TX, United States
PA Baylor College of Medicine, Houston, TX, United States (U.S.
corporation)
PI US 6475745 B1 20021105
AI US 1997-922889 19970903 (8)
RLI Division of Ser. No. US 1996-717551, filed on 20 Sep 1996
DT Utility
FS GRANTED
LN.CNT 2755
INCL INCLM: 435/007.200
INCLS: 530/300.000; 530/350.000; 530/402.000
NCL NCLM: 435/007.200
NCLS: 530/300.000; 530/350.000; 530/402.000

IC [7]
ICM: G01N033-53
ICS: C07K007-00; C07K004-12
EXF 435/7.2; 435/7.1; 530/300; 530/350; 530/402; 424/450
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 227 OF 391 USPATFULL on STN
AN 2002:287562 USPATFULL
TI Process for differential diagnosis of Alzheimer's dementia and device therefor
IN Jackowski, George, Kettleby, CANADA
Takahashi, Miyoko, North York, CANADA
PI US 2002160425 A1 20021031
AI US 2001-971740 A1 20011004 (9)
RLI Continuation of Ser. No. US 2001-842079, filed on 25 Apr 2001, PENDING
DT Utility
FS APPLICATION
LN.CNT 940
INCL INCLM: 435/007.100
INCLS: 435/007.200
NCL NCLM: 435/007.100
NCLS: 435/007.200
IC [7]
ICM: G01N033-53
ICS: G01N033-567; G01N033-537; G01N033-543
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 228 OF 391 USPATFULL on STN
AN 2002:273382 USPATFULL
TI Methods and compositions for the treatment of ***human*** immunodeficiency virus infection
IN Ikezu, Tsuneya, Omaha, NE, UNITED STATES
Leisman, Gary, Omaha, NE, UNITED STATES
Carlson, Kimberly A., Omaha, NE, UNITED STATES
Gendelman, Howard E., Omaha, NE, UNITED STATES
PI US 2002151510 A1 20021017
AI US 2001-828648 A1 20010406 (9)
PRAI US 2000-246331P 20001106 (60)
DT Utility
FS APPLICATION
LN.CNT 1948
INCL INCLM: 514/044.000
INCLS: 514/012.000; 536/023.720; 435/069.100; 435/325.000; 435/320.100;
435/219.000; 530/388.260; 424/207.100; 424/208.100
NCL NCLM: 514/044.000
NCLS: 514/012.000; 536/023.720; 435/069.100; 435/325.000; 435/320.100;
435/219.000; 530/388.260; 424/207.100; 424/208.100
IC [7]
ICM: A61K038-17
ICS: C12N009-50; C07H021-02; C12N005-06; C12P021-02; C12N015-867;
A61K038-00; C07H021-04; A61K031-70; A01N043-04; C12P021-06; A61K039-21;
C12N015-00; C12N015-09; C12N015-63; C12N015-70; C12N015-74; C12N005-00;
C12N005-02; C07K016-00; C12P021-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 229 OF 391 USPATFULL on STN
AN 2002:273336 USPATFULL
TI Methods for preventing neural tissue damage and for the treatment of alpha-synuclein diseases
IN Wolozin, Benjamin, Hinsdale, IL, UNITED STATES
Ostretova-Golts, Natalie, Forrest Park, IL, UNITED STATES
Lebowitz, Michael S., Baltimore, MD, UNITED STATES
PI US 2002151464 A1 20021017
AI US 2001-901187 A1 20010709 (9)
PRAI US 2000-217319P 20000707 (60)
US 2001-279199P 20010328 (60)
DT Utility
FS APPLICATION
LN.CNT 1374
INCL INCLM: 514/002.000
INCLS: 435/007.200; 435/025.000
NCL NCLM: 514/002.000
NCLS: 435/007.200; 435/025.000
IC [7]
ICM: A61K038-17

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 230 OF 391 USPATFULL on STN
AN 2002:272761 USPATFULL
TI Directed evolution of novel binding proteins
IN Ladner, Robert Charles, Ijamsville, MD, UNITED STATES
Guterman, Sonia Kosow, Belmont, MA, UNITED STATES
Roberts, Bruce Lindsay, Milford, MA, UNITED STATES
Markland, William, Milford, MA, UNITED STATES
Ley, Arthur Charles, Newton, MA, UNITED STATES
Kent, Rachel Baribault, Boxborough, MA, UNITED STATES
PI US 2002150881 A1 20021017
AI US 2001-781988 A1 20010214 (9)
RLI Continuation of Ser. No. US 1998-192067, filed on 16 Nov 1998, ABANDONED
Continuation of Ser. No. US 1995-415922, filed on 3 Apr 1995, PATENTED
Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, PATENTED
Division of Ser. No. US 1991-664989, filed on 1 Mar 1991, PATENTED
Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,
ABANDONED Continuation-in-part of Ser. No. US 1988-240160, filed on 2
Sep 1988, ABANDONED
PRAI WO 1989-US3731 19890901
DT Utility
FS APPLICATION
LN.CNT 15696
INCL INCLM: 435/005.000
INCLS: 435/006.000; 435/007.100; 435/235.100
NCL NCLM: 435/005.000
NCLS: 435/006.000; 435/007.100; 435/235.100
IC [7]
ICM: C12Q001-70
ICS: C12Q001-68; G01N033-53; C12N007-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 231 OF 391 USPATFULL on STN
AN 2002:268610 USPATFULL
TI Vectors and methods for gene transfer to cells
IN Wickham, Thomas J., Falls Church, VA, United States
Kovesdi, Imre, Rockville, MD, United States
Brough, Douglas E., Olney, MD, United States
PA GenVec, Inc., Gaithersburg, MD, United States (U.S. corporation)
PI US 6465253 B1 20021015
WO 9720051 19970605
AI US 1999-101751 19990129 (9)
WO 1996-US19150 19961127
19990129 PCT 371 date
RLI Continuation-in-part of Ser. No. US 1996-700846, filed on 21 Aug 1996,
now patented, Pat. No. US 5962311 Continuation-in-part of Ser. No. US
1996-634060, filed on 17 Apr 1996, now patented, Pat. No. US 5712136
Continuation-in-part of Ser. No. US 1996-701124, filed on 21 Aug 1996,
now patented, Pat. No. US 5846782 Continuation-in-part of Ser. No. US
1995-563368, filed on 28 Nov 1995, now patented, Pat. No. US 5965541
Continuation-in-part of Ser. No. US 634060 Continuation-in-part of Ser.
No. US 1994-303162, filed on 8 Sep 1994, now patented, Pat. No. US
5559099
DT Utility
FS GRANTED
LN.CNT 3207
INCL INCLM: 435/456.000
INCLS: 435/320.100; 435/325.000; 435/455.000; 530/330.000; 530/329.000;
530/328.000; 530/327.000; 530/326.000; 530/324.000; 530/350.000
NCL NCLM: 435/456.000
NCLS: 435/320.100; 435/325.000; 435/455.000; 530/324.000; 530/326.000;
530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/350.000
IC [7]
ICM: C12N015-861
ICS: C12N015-63; C12N005-10; C07K007-04; C07K014-075
EXF 435/69.1; 435/235.1; 435/320.1; 435/325; 435/366; 435/455; 435/456;
530/350; 530/330; 530/329; 530/328; 530/327; 530/326; 530/324; 424/93.1;
424/93.2; 424/93.6

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 232 OF 391 USPATFULL on STN
AN 2002:265967 USPATFULL
TI Controlling protein levels in eucaryotic organisms

PA Proteinix, Inc. (U.S. corporation)
PI US 2002146843 A1 20021010
AI US 2001-880149 A1 20010614 (9)
RLI Continuation of Ser. No. US 1999-406781, filed on 28 sep 1999, GRANTED,
Pat. No. US 6306663
PRAI US 1999-119851P 19990212 (60)
DT Utility
FS APPLICATION
LN.CNT 3226
INCL INCLM: 436/501.000
INCLS: 424/094.100; 435/106.000; 435/004.000; 435/041.000; 435/007.720;
514/002.000; 530/300.000; 530/350.000; 930/020.000
NCL NCLM: 436/501.000
NCLS: 424/094.100; 435/106.000; 435/004.000; 435/041.000; 435/007.720;
514/002.000; 530/300.000; 530/350.000; 930/020.000
IC [7]
ICM: A01N037-18
ICS: C12Q001-00; C12P001-00; C12P013-04; C07K004-00; C07K007-00;
C07K016-00; C07K001-00; A61K038-00; A61K038-43; C07K005-00; C07K017-00;
G01N033-53; C07K014-00; C07K002-00; G01N033-566
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 233 OF 391 USPATFULL on STN
AN 2002:265884 USPATFULL
TI Novel G-protein-coupled receptor-like proteins and polynucleotides
encoded by them, and methods of using same
IN Ozenberger, Bradley A., Newtown, PA, UNITED STATES
Kajkowski, Eileen M., Ringoes, NJ, UNITED STATES
Lo, Ching-Hsiung Frederick, Pennington, NJ, UNITED STATES
Walker, Stephen G., East Windsor, NJ, UNITED STATES
Sofia, Heidi, Walla Walla, WA, UNITED STATES
PA American Home Products Corporation, Madison, NJ, 07940-0874 (U.S.
corporation)
PI US 2002146760 A1 20021010
AI US 2001-833503 A1 20010412 (9)
PRAI WO 1999-US21621 19991013
US 1998-104104P 19981013 (60)
DT Utility
FS APPLICATION
LN.CNT 1524
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-705; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 234 OF 391 USPATFULL on STN
AN 2002:265848 USPATFULL
TI Biopolymer sequence comparison
IN Toll, Lawrence R., Redwood City, CA, UNITED STATES
Lincoln, Patrick Denis, Woodside, CA, UNITED STATES
Karp, Peter, San Mateo, CA, UNITED STATES
Sonmez, Kemal, Menlo Park, CA, UNITED STATES
PI US 2002146724 A1 20021010
AI US 2001-6492 A1 20011203 (10)
PRAI US 2000-250743P 20001201 (60)
DT Utility
FS APPLICATION
LN.CNT 1796
INCL INCLM: 435/006.000
INCLS: 702/020.000
NCL NCLM: 435/006.000
NCLS: 702/020.000
IC [7]
ICM: C12Q001-68
ICS: G06F019-00; G01N033-48; G01N033-50

L4 ANSWER 235 OF 391 USPATFULL on STN
AN 2002:262446 USPATFULL
TI Peptides and pharmaceutical compositions thereof for treatment of
disorders or diseases associated with abnormal protein folding into

Baumann, Marc H., Helsinki, FINLAND
Frangione, Blas, New York, NY, United States
PA New York University, New York, NY, United States (U.S. corporation)
PI US 6462171 B1 20021008
AI US 1996-766596 19961212 (8)
RLI Continuation-in-part of Ser. No. US 1996-630645, filed on 10 Apr 1996,
now patented, Pat. No. US 5948763 Continuation-in-part of Ser. No. US
1995-478326, filed on 7 Jun 1995, now abandoned
DT Utility
FS GRANTED
LN.CNT 1979
INCL INCLM: 530/326.000
INCLS: 530/327.000; 530/238.000; 530/329.000; 530/330.000; 514/014.000;
514/015.000; 514/016.000; 514/017.000; 514/018.000
NCL NCLM: 530/326.000
NCLS: 530/327.000; 530/328.000; 530/329.000; 530/330.000
IC [7]
ICM: A61K038-00
ICS: C07K016-00
EXF 514/2; 514/12; 514/13; 514/14; 514/15; 514/16; 514/17; 514/18; 530/300;
530/324; 530/325; 530/326; 530/327; 530/328; 530/330; 530/331; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 236 OF 391 USPATFULL on STN
AN 2002:254378 USPATFULL
TI Lactacystin analogs
IN Fenteany, Gabriel, Cambridge, MA, United States
Jamison, Timothy F., Cambridge, MA, United States
Schreiber, Stuart L., Boston, MA, United States
Standaert, Robert F., Arlington, MA, United States
PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)
PI US 6458825 B1 20021001
AI US 2000-639242 20000815 (9)
RLI Continuation of Ser. No. US 1995-421583, filed on 12 Apr 1995, now
patented, Pat. No. US 6335358
DT Utility
FS GRANTED
LN.CNT 2298
INCL INCLM: 514/421.000
INCLS: 514/444.000; 514/470.000
NCL NCLM: 514/421.000
NCLS: 514/444.000; 514/470.000
IC [7]
ICM: A61K031-40
ICS: A61K031-38; A61K031-34
EXF 514/421; 514/444; 514/470
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 237 OF 391 USPATFULL on STN
AN 2002:251790 USPATFULL
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions
comprising same, and methods for inhibiting ***beta*** -
amyloid peptide release and/or its synthesis by use of such
compounds
IN Wu, Jing, San Mateo, CA, UNITED STATES
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES
Nissen, Jeffrey S., Indianapolis, IN, UNITED STATES
Mabry, Thomas E., Indianapolis, IN, UNITED STATES
Latimer, Lee H., Oakland, CA, UNITED STATES
John, Varghese, San Francisco, CA, UNITED STATES
Fang, Lawrence Y., Foster City, CA, UNITED STATES
Audia, James E., Indianapolis, IN, UNITED STATES
PI US 2002137743 A1 20020926
AI US 2001-984834 A1 20011031 (9)
RLI Continuation of Ser. No. US 1999-303655, filed on 3 May 1999, PATENTED
Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, PATENTED
DT Utility
FS APPLICATION
LN.CNT 3784
INCL INCLM: 514/227.500
INCLS: 514/237.800; 514/252.120; 514/357.000; 514/534.000; 514/561.000;
544/059.000; 544/159.000; 544/400.000; 546/336.000; 560/041.000;
560/155.000
NCLM: 514/227.500
NCLS: 514/237.800; 514/252.120; 514/357.000; 514/534.000; 514/561.000;
544/059.000; 544/159.000; 544/400.000; 546/336.000; 560/041.000;
560/155.000

544/059.000; 544/159.000; 544/400.000; 546/336.000; 560/041.000;
560/155.000

IC [7]
ICM: A61K031-54
ICS: A61K031-535; A61K031-495; A61K031-44; A61K031-198
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 238 OF 391 USPATFULL on STN
AN 2002:251784 USPATFULL
TI Lactams substituted by cyclic succinates as inhibitors of a beta protein
production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
PI US 2002137737 A1 20020926
US 6509333 B2 20030121
AI US 2001-871840 A1 20010601 (9)
PRAI US 2000-208536P 20000601 (60)
DT Utility
FS APPLICATION
LN.CNT 6581
INCL INCLM: 514/212.030
INCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000
NCL NCLM: 514/221.000
NCLS: 540/509.000

IC [7]
ICM: A61K031-55
ICS: A61K031-445; A61K031-4015; C07D211-54; C07D223-12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 239 OF 391 USPATFULL on STN
AN 2002:243784 USPATFULL
TI VEGF-modulated genes and methods employing them
IN Gerber, Hans-Peter, San Francisco, CA, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
PI US 2002132978 A1 20020919
AI US 2001-815153 A1 20010321 (9)
PRAI US 2000-191201P 20000322 (60)
DT Utility
FS APPLICATION
LN.CNT 5514
INCL INCLM: 530/350.000
INCLS: 536/023.500; 530/388.100; 435/325.000; 435/320.100; 435/069.100
NCL NCLM: 530/350.000
NCLS: 536/023.500; 530/388.100; 435/325.000; 435/320.100; 435/069.100

IC [7]
ICM: C07K014-705
ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 240 OF 391 USPATFULL on STN
AN 2002:243133 USPATFULL
TI Peptide mutant of ***human*** ERAB or HADH2, its X-ray crystal
structure, and materials and method for identification of inhibitors
thereof
IN Abreo, Melwyn A., Jamul, CA, UNITED STATES
Agree, Charles S., San Diego, CA, UNITED STATES
Aust, Robert M., Alpine, CA, UNITED STATES
Kissinger, Charles R., San Diego, CA, UNITED STATES
Margosiak, Stephen, Escondido, CA, UNITED STATES
Meng, Jerry J., San Diego, CA, UNITED STATES
Pelletier, Laura A., Escondido, CA, UNITED STATES
Rejto, Paul Abraham, Carlsbad, CA, UNITED STATES
Showalter, Richard Edward, Santee, CA, UNITED STATES
Thomson, James Arthur, San Diego, CA, UNITED STATES
Tempczyk-Russell, Anna, Ramona, CA, UNITED STATES
Vanderpool, Darin, San Diego, CA, UNITED STATES
Villafranca, Jesus Ernesto, San Diego, CA, UNITED STATES
PI US 2002132319 A1 20020919
AI US 2001-931186 A1 20010817 (9)
PRAI US 2000-226123P 20000818 (60)
DT Utility
FS APPLICATION
LN.CNT 12914
INCL INCLM: 435/189.000
INCLS: 435/226.000; 536/023.200; 435/069.100; 702/019.000
435/189.000

IC [7]
ICM: C12N009-02
ICS: C12N009-64; G06F019-00; G01N033-48; G01N033-50; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 241 OF 391 USPATFULL on STN
AN 2002:238832 USPATFULL
TI Process for differential diagnosis of Alzheimer's dementia and device therefor
IN Jackowski, George, Kettleby, CANADA
Takahashi, Miyoko, North York, CANADA
PA Syn X Pharma, CANADA (non-U.S. corporation)
PI US 6451547 B1 20020917
AI US 2001-842079 20010425 (9)
DT Utility
FS GRANTED
LN.CNT 817
INCL INCLM: 435/007.400
INCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.930; 435/007.940;
435/007.950; 530/387.200; 530/388.100; 530/388.250; 530/388.260;
530/389.100; 530/389.300; 530/391.100
NCL NCLM: 435/007.400
NCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.930; 435/007.940;
435/007.950; 530/387.200; 530/388.100; 530/388.250; 530/388.260;
530/389.100; 530/389.300; 530/391.100

IC [7]
ICM: C07K016-18
ICS: C07K016-40; G01N033-48; G01N033-49; G01N033-53
EXF 530/387.2; 530/388.1; 530/388.25; 530/388.26; 530/389.1; 530/389.3;
530/391.1; 435/7.1; 435/7.4; 435/7.9; 435/7.92; 435/7.93; 435/7.94;
435/7.95
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 242 OF 391 USPATFULL on STN
AN 2002:237182 USPATFULL
TI Transgenic animals and cell lines for screening drugs effective for the treatment or prevention of alzheimer's disease
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES
Wands, Jack R., Waban, MA, UNITED STATES
PI US 2002129391 A1 20020912
AI US 2001-964412 A1 20010928 (9)
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371 of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN
PRAI US 1997-38908P 19970226 (60)
DT Utility
FS APPLICATION
LN.CNT 2087
INCL INCLM: 800/012.000
INCLS: 800/018.000; 435/368.000; 435/320.100; 536/023.200
NCL NCLM: 800/012.000
NCLS: 800/018.000; 435/368.000; 435/320.100; 536/023.200
IC [7]
ICM: A01K067-027
ICS: C07H021-04; C12N015-74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 243 OF 391 USPATFULL on STN
AN 2002:236057 USPATFULL
TI Compounds to treat alzheimer's disease
IN Beck, James P., Kalamazoo, MI, UNITED STATES
Fang, Lawrence Y., Foster City, CA, UNITED STATES
Freskos, John N., Clayton, MO, UNITED STATES
Gailunas, Andrea, San Francisco, CA, UNITED STATES
Hom, Roy, San Francisco, CA, UNITED STATES
Jagodzinska, Barbara, Redwood City, CA, UNITED STATES
John, Varghese, San Francisco, CA, UNITED STATES
Maillard, Michel, Redwood Shores, CA, UNITED STATES
Pulley, Shon R., Hickory Corners, MI, UNITED STATES
TenBrink, Ruth E., Kalamazoo, MI, UNITED STATES
PI US 2002128255 A1 20020912
AI US 2001-896139 A1 20010629 (9)
PRAI US 2000-215323P 20000630 (60)
US 2000-252736P 20001122 (60)
US 2000-255956P 20001215 (60)

US 2001-295589P 20010604 (60)
DT Utility
FS APPLICATION
LN.CNT 21437
INCL INCLM: 514/211.150
INCLS: 514/396.000; 514/423.000; 514/357.000; 514/438.000; 514/616.000
NCL NCLM: 514/211.150
NCLS: 514/396.000; 514/423.000; 514/357.000; 514/438.000; 514/616.000
IC [7]
ICM: A61K031-553
ICS: A61K031-554; A01N043-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 244 OF 391 USPATFULL on STN
AN 2002:235353 USPATFULL
TI Alzheimer's related proteins and methods of use
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto (non-U.S.
corporation)
PI US 2002127541 A1 20020912
AI US 2002-71900 A1 20020208 (10)
RLI Division of Ser. No. US 1999-227725, filed on 8 Jan 1999, GRANTED, Pat.
No. US 6383758
PRAI US 1998-70948P 19980109 (60)
DT Utility
FS APPLICATION
LN.CNT 1479
INCL INCLM: 435/004.000
INCLS: 435/023.000; 435/007.200
NCL NCLM: 435/004.000
NCLS: 435/023.000; 435/007.200
IC [7]
ICM: C12Q001-00
ICS: C12Q001-37; G01N033-53; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 245 OF 391 USPATFULL on STN
AN 2002:235107 USPATFULL
TI Methods of reducing ***beta*** - ***amyloid*** polypeptides
IN Eckman, Christopher B., Ponte Vedra Beach, FL, UNITED STATES
Yager, Debra, Jacksonville, FL, UNITED STATES
Haugabook, Sharie, Jacksonville, FL, UNITED STATES
Fauq, Abdul, Jacksonville, FL, UNITED STATES
PI US 2002127290 A1 20020912
AI US 2001-804420 A1 20010312 (9)
DT Utility
FS APPLICATION
LN.CNT 934
INCL INCLM: 424/773.000
INCLS: 424/764.000
NCL NCLM: 424/773.000
NCLS: 424/764.000
IC [7]
ICM: A61K035-78

L4 ANSWER 246 OF 391 USPATFULL on STN
AN 2002:230959 USPATFULL
TI Testis expressed polypeptide
IN Ruben, Steven M., Olney, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Zeng, Zhizhen, Gaithersburg, MD, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
PI US 6448230 B1 20020910
AI US 1998-152060 19980911 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US4858, filed on 12 Mar 1998
PRAI US 1997-40762P 19970314 (60)
US 1997-40710P 19970314 (60)
US 1997-50934P 19970530 (60)
US 1997-48100P 19970530 (60)
US 1997-48357P 19970530 (60)
US 1997-48189P 19970530 (60)
US 1997-57765P 19970905 (60)
US 1997-48970P 19970606 (60)

DT Utility
 FS GRANTED
 LN.CNT 7777
 INCL INCLM: 514/021.000
 INCLS: 514/012.000; 514/002.000; 514/044.000; 530/300.000; 530/350.000;
 530/305.000; 530/324.000; 424/185.100; 424/193.100; 424/194.100;
 424/234.100
 NCL NCLM: 514/021.000
 NCLS: 424/185.100; 424/193.100; 424/194.100; 424/234.100; 514/002.000;
 514/012.000; 514/044.000; 530/300.000; 530/305.000; 530/324.000;
 530/350.000
 IC [7]
 ICM: A61K038-00
 ICS: C07K001-00; C07K005-00; C07K007-00
 EXF 435/6; 435/69.1; 435/252.3; 435/320.1; 435/325; 514/12; 514/2; 514/44;
 514/21; 530/300; 530/350; 530/305; 530/324; 530/333; 530/344; 530/345;
 530/356; 530/358; 530/362; 530/391.5; 424/234.1; 424/184.1; 424/185.1;
 424/193.1; 424/194.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 247 OF 391 USPATFULL on STN
 AN 2002:227919 USPATFULL
 TI Assay for disease related conformation of a protein and isolating same
 IN Prusiner, Stanley B., San Francisco, CA, UNITED STATES
 Safar, Jiri G., Walnut Creek, CA, UNITED STATES
 PI US 2002123072 A1 20020905
 AI US 2002-47431 A1 20020114 (10)
 RLI Continuation of Ser. No. US 2001-754443, filed on 3 Jan 2001, PENDING
 Continuation of Ser. No. US 1998-169574, filed on 9 Oct 1998, GRANTED,
 Pat. No. US 6214565 Continuation of Ser. No. US 1998-26967, filed on 20
 Feb 1998, GRANTED, Pat. No. US 5977324

DT Utility
 FS APPLICATION
 LN.CNT 1643
 INCL INCLM: 435/007.100
 INCLS: 435/007.200
 NCL NCLM: 435/007.100
 NCLS: 435/007.200
 IC [7]
 ICM: G01N033-53
 ICS: G01N033-567

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 248 OF 391 USPATFULL on STN
 AN 2002:227617 USPATFULL
 TI Stable radiopharmaceutical compositions and methods for preparation
 thereof
 IN Liu, Shuang, Chelmsford, MA, UNITED STATES
 Barrett, John A., Groton, MA, UNITED STATES
 Carpenter, Alan P., JR., Carlisle, MA, UNITED STATES
 PI US 2002122768 A1 20020905
 AI US 2001-899629 A1 20010705 (9)
 PRAI US 2000-216396P 20000706 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 4115
 INCL INCLM: 424/001.110
 NCL NCLM: 424/001.110
 IC [7]
 ICM: A61K051-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 249 OF 391 USPATFULL on STN
 AN 2002:224705 USPATFULL
 TI Hydrophobically-modified hedgehog protein compositions and methods
 IN Pepinsky, R. Blake, Arlington, MA, United States
 Baker, Darren P., Hingham, MA, United States
 Wen, Dingyi, Waltham, MA, United States
 Williams, Kevin P., Natick, MA, United States
 Garber, Ellen A., Cambridge, MA, United States
 Taylor, Frederick R., Milton, MA, United States
 Galdes, Alphonse, Lexington, MA, United States
 Porter, Jeffrey, Cambridge, MA, United States
 PA Curis, Inc., Cambridge, MA, United States (U.S. corporation)

AI US 1999-325256 19990603 (9)
 RLI Continuation of Ser. No. WO 1998-US25676, filed on 3 Dec 1998
 PRAI US 1998-99800P 19980910 (60)
 US 1998-89685P 19980617 (60)
 US 1998-78935P 19980320 (60)
 US 1997-67423P 19971203 (60)
 DT Utility
 FS GRANTED
 LN.CNT 5426
 INCL INCLM: 530/402.000
 INCLS: 530/350.000; 530/399.000; 530/359.000; 436/071.000; 514/012.000;
 514/506.000; 514/762.000
 NCL NCLM: 530/402.000
 NCLS: 436/071.000; 530/350.000; 530/359.000; 530/399.000
 IC [7]
 ICM: C07K014-435
 ICS: C07K001-107
 EXF 436/71; 530/350; 530/399; 530/402; 530/359; 514/12; 514/506; 514/762
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 250 OF 391 USPATFULL on STN
 AN 2002:221784 USPATFULL
 TI Inhibitors of IAPP fibril formation and uses thereof
 IN Fraser, Paul, Toronto, CANADA
 PI US 2002119926 A1 20020829
 AI US 2001-956625 A1 20010919 (9)
 PRAI US 2000-233482P 20000919 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1753
 INCL INCLM: 514/012.000
 INCLS: 435/184.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000
 NCL NCLM: 514/012.000
 NCLS: 435/184.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000
 IC [7]
 ICM: A61K038-17
 ICS: A61K038-10; A61K038-08; C12N009-99
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 251 OF 391 USPATFULL on STN
 AN 2002:217052 USPATFULL
 TI Alzheimer's disease secretase, APP substrates therefor, and uses therefor
 IN Gurney, Mark E., 910 Rosewood Ave. SE., Grand Rapids, MI, United States 49506
 Bienkowski, Michael J., 3431 Hollow Wood, Portage, MI, United States 49024
 Henrikson, Robert L., 81 S. Lake Doster Dr., Plainwell, MI, United States 49080
 Parodi, Luis A., Grevgafar 24, S-11543 Stockholm, SWEDEN
 Yan, Riqiang, 5026 Queen Victoria St., Kalamazoo, MI, United States 49009
 PI US 6440698 B1 20020827
 AI US 2000-548367 20000412 (9)
 RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999
 Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999
 Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999
 PRAI US 1999-155493P 19990923 (60)
 US 1998-101594P 19980924 (60)
 DT Utility
 FS GRANTED
 LN.CNT 5651
 INCL INCLM: 435/069.100
 INCLS: 435/252.300; 435/325.000; 435/320.100; 536/023.100
 NCL NCLM: 435/069.100
 NCLS: 435/252.300; 435/320.100; 435/325.000; 536/023.100
 IC [7]
 ICM: C12P021-06
 ICS: C12N001-20; C12N018-00; C07H021-04
 EXF 435/70.1; 435/69.1; 435/252.3; 435/320.1; 435/325; 435/183; 435/212;
 435/219; 536/23.1; 536/23.4; 536/23.7; 536/23.5; 536/24.3; 514/2;
 424/94.63; 530/300; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

TI Inhibitors of memapsin 2 and use thereof
IN Koelsch, Gerald, Oklahoma City, OK, UNITED STATES
Tang, Jordan J.N., Edmond, OK, UNITED STATES
Hong, Lin, Oklahoma City, OK, UNITED STATES
Ghosh, Arun K., River Forest, IL, UNITED STATES
PA Oklahoma Medical Research Foundation (U.S. corporation)
PI US 2002115600 A1 20020822
AI US 2001-845226 A1 20010430 (9)
RLI Division of Ser. No. US 2000-603713, filed on 27 Jun 2000, PENDING
PRAI US 1999-141363P 19990628 (60)
US 1999-168060P 19991130 (60)
US 2000-177836P 20000125 (60)
US 2000-178368P 20000127 (60)
US 2000-210292P 20000608 (60)

DT Utility
FS APPLICATION
LN.CNT 2377

INCL INCLM: 514/012.000
INCLS: 435/184.000; 530/326.000
NCL NCLM: 514/012.000
NCLS: 435/184.000; 530/326.000

IC [7]
ICM: A61K038-17
ICS: A61K038-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 253 OF 391 USPATFULL on STN
AN 2002:206604 USPATFULL
TI PREVENTION OF FETAL ALCOHOL SYNDROME AND NEURONAL CELL DEATH WITH ADNF
POLYPEPTIDES
IN BRENNEMAN, DOUGLAS E., DAMASCUS, MD, UNITED STATES
SPONG, CATHERINE Y., ARLINGTON, VA, UNITED STATES
GOZES, ILLANA, RAMAT HASHARON, ISRAEL
BASSAN, MERAV, RAMAT HASHARON, ISRAEL
ZAMOSTIANO, RACHEL, HOD HASHARON, ISRAEL
PI US 2002111301 A1 20020815
AI US 1999-267511 A1 19990312 (9)

DT Utility
FS APPLICATION
LN.CNT 1861

INCL INCLM: 514/012.000
INCLS: 514/002.000
NCL NCLM: 514/012.000
NCLS: 514/002.000

IC [7]
ICM: A61K038-00
ICS: A01N037-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 254 OF 391 USPATFULL on STN
AN 2002:202241 USPATFULL
TI Death domain containing receptor-4
IN Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Pan, James G., Belmont, CA, United States
Gentz, Reiner L., Rockville, MD, United States
Dixit, Vishva M., Los Altos Hills, CA, United States
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
corporation)
The Regents of the University of Michigan, Ann Arbor, MI, United States
(U.S. corporation)

PI US 6433147 B1 20020813
AI US 2000-565918 20000505 (9)

RLI Continuation-in-part of Ser. No. US 1998-13895, filed on 27 Jan 1998,
now patented, Pat. No. US 6342363

PRAI US 1999-132922P 19990506 (60)
US 1997-35722P 19970128 (60)
US 1997-37829P 19970205 (60)

DT Utility
FS GRANTED
LN.CNT 8675

INCL INCLM: 530/387.300
INCLS: 530/300.000; 530/350.000; 530/402.000; 536/023.100; 536/023.500;
435/069.100; 435/325.000; 435/252.300; 435/254.110; 424/178.100

530/300.000; 530/350.000; 530/402.000; 536/023.100; 536/023.500
IC [7]
ICM: C07K014-705
EXF 530/300; 530/350; 530/402; 530/387.3; 536/23.1; 536/23.5; 536/23.4;
435/69.1; 435/375; 435/252.3; 435/254.11; 424/178.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 255 OF 391 USPATFULL on STN
AN 2002:201837 USPATFULL
TI Diagnostic applications of perlecan domain I splice variants
IN Maresh, Grace A., River Ridge, LA, United States
Snow, Alan D., Lynnwood, WA, United States
PA University of Washington, Seattle, WA, United States (U.S. corporation)
PI US 6432636 B1 20020813
AI US 1997-918428 19970826 (8)
PRAI US 1996-25030P 19960826 (60)
DT Utility
FS GRANTED
LN.CNT 3479
INCL INCLM: 435/006.000
INCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330
NCL NCLM: 435/006.000
NCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330
IC [7]
ICM: C12Q001-68
ICS: C12Q019-34; C07H021-04; C07H021-02
EXF 435/6; 435/91.2; 536/23.5; 536/24.31; 536/24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 256 OF 391 USPATFULL on STN
AN 2002:194691 USPATFULL
TI Protein fragment complementation assays for the detection of biological
or drug interactions
IN Michnick, Stephen William Watson, Westmount, CANADA
Pelletier, Joelle Nina, Westmount, CANADA
Remy, Ingrid, Montreal, CANADA
PA Odyssey Pharmaceuticals, Inc., San Ramon, CA, United States (U.S.
corporation)
PI US 6428951 B1 20020806
AI US 2000-499464 20000207 (9)
RLI Continuation of Ser. No. US 1998-17412, filed on 2 Feb 1998, now
patented, Pat. No. US 6270964
PRAI CA 1997-2196496 19970131
DT Utility
FS GRANTED
LN.CNT 2595
INCL INCLM: 435/004.000
INCLS: 435/006.000; 530/350.000; 536/023.200; 536/023.400
NCL NCLM: 435/004.000
NCLS: 435/006.000; 530/350.000; 536/023.200; 536/023.400
IC [7]
ICM: C12Q001-25
ICS: C12Q001-68; C07K014-00; C12N015-11
EXF 435/4; 435/6; 530/350; 536/23.2; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 257 OF 391 USPATFULL on STN
AN 2002:193030 USPATFULL
TI Transgenic animals and cell lines for screening drugs effective for the
treatment or prevention of alzheimer's disease
IN De La Monte, Suzanne, East Greenwich, RI, UNITED STATES
Wands, Jack R., Waban, MA, UNITED STATES
PI US 2002104108 A1 20020801
AI US 2001-964666 A1 20010928 (9)
RLI Division of Ser. No. US 2000-380203, filed on 25 Apr 2000, PENDING A 371
of International Ser. No. WO 1998-US3685, filed on 26 Feb 1998, UNKNOWN
PRAI US 1997-38908P 19970226 (60)
DT Utility
FS APPLICATION
LN.CNT 2100
INCL INCLM: 800/012.000
INCLS: 800/018.000; 435/325.000; 435/368.000; 435/320.100; 536/023.200
NCL NCLM: 800/012.000
NCLS: 800/018.000; 435/325.000; 435/368.000; 435/320.100; 536/023.200
IC [7]

ICS: C07H021-04; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 258 OF 391 USPATFULL on STN
AN 2002:192279 USPATFULL
TI Sequences characteristic of hypoxia-regulated gene transcription
IN Einat, Paz, Nes-Ziona, ISRAEL
Skaliter, Rami, Nes-Ziona, ISRAEL
Feinstein, Elena, Rehovot, ISRAEL
PI US 2002103353 A1 20020801
AI US 2001-802472 A1 20010309 (9)
RLI Continuation-in-part of Ser. No. US 1999-384096, filed on 27 Aug 1999,
ABANDONED Continuation-in-part of Ser. No. US 1998-138109, filed on 21
Aug 1998, ABANDONED
PRAI US 1998-98158P 19980827 (60)
US 2001-132684P 20010905 (60)
US 1997-56453P 19970821 (60)
DT Utility
FS APPLICATION
LN.CNT 5096
INCL INCLM: 536/023.200
INCLS: 435/320.100; 435/325.000; 435/069.100
NCL NCLM: 536/023.200
NCLS: 435/320.100; 435/325.000; 435/069.100
IC [7]
ICM: C07H021-04
ICS: C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 259 OF 391 USPATFULL on STN
AN 2002:192113 USPATFULL
TI Cyclic malonamides as inhibitors of a beta protein production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
Yang, Michael G., Wilmington, DE, UNITED STATES
PI US 2002103184 A1 20020801
AI US 2001-825211 A1 20010403 (9)
PRAI US 2000-194503P 20000403 (60)
DT Utility
FS APPLICATION
LN.CNT 6436
INCL INCLM: 514/212.030
INCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000
NCL NCLM: 514/212.030
NCLS: 514/327.000; 514/424.000; 540/527.000; 546/216.000; 548/550.000
IC [7]
ICM: A61K031-55
ICS: A61K031-445; A61K031-4015; C07D223-12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 260 OF 391 USPATFULL on STN
AN 2002:191539 USPATFULL
TI Full-length ****human*** cDNAs encoding potentially secreted proteins
IN Milne Edwards, Jean-Baptiste Dumas, Paris, FRANCE
Bougueleret, Lydie, Petit Lancy, SWITZERLAND
Jobert, Severin, Paris, FRANCE
PI US 2002102604 A1 20020801
AI US 2000-731872 A1 20001207 (9)
PRAI US 1999-169629P 19991208 (60)
US 2000-187470P 20000306 (60)
DT Utility
FS APPLICATION
LN.CNT 28061
INCL INCLM: 435/007.100
INCLS: 536/023.100; 530/350.000
NCL NCLM: 435/007.100
NCLS: 536/023.100; 530/350.000
IC [7]
ICM: G01N033-53
ICS: C07H021-02; C07H021-04; C07K001-00; C07K014-00; C07K017-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 261 OF 391 USPATFULL on STN
AN 2002:185265 USPATFULL
TI Modulators of amyloid aggregation
IN

Garnick, Marc B., Brookline, MA, UNITED STATES
Geftter, Malcolm L., Lincoln, MA, UNITED STATES
Hundal, Arvind, Brighton, MA, UNITED STATES
Kasman, Laura, Athens, GA, UNITED STATES
Musso, Gary, Hopkinton, MA, UNITED STATES
Signer, Ethan R., Cambridge, MA, UNITED STATES
Wakefield, James, Brookline, MA, UNITED STATES
Reed, Michael J., Marietta, GA, UNITED STATES
Praecis Pharmaceuticals, Inc. (U.S. corporation)

PA
PI US 2002098173 A1 20020725
AI US 2001-972475 A1 20011004 (9)
RLI Continuation of Ser. No. US 1996-617267, filed on 14 Mar 1996, PATENTED
Continuation-in-part of Ser. No. US 1995-475579, filed on 7 Jun 1995,
PATENTED Continuation-in-part of Ser. No. US 1995-404831, filed on 14
Mar 1995, PATENTED Continuation-in-part of Ser. No. US 1995-548998,
filed on 27 Oct 1995, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 4009
INCL INCLM: 424/094.300
INCLS: 435/226.000
NCL NCLM: 424/094.300
NCLS: 435/226.000
IC [7]
ICM: A61K038-54
ICS: C12N009-64

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 262 OF 391 USPATFULL on STN
AN 2002:178549 USPATFULL
TI Vaccine for the prevention and treatment of alzheimer's and amyloid
related diseases
IN Chalifour, Robert, Ile Bizard, CANADA
Hebert, Lise, Brossard, CANADA
Kong, Xianqi, Dollard-des-Ormeaux, CANADA
Gervais, Francine, Ile Bizard, CANADA
PI US 2002094335 A1 20020718
AI US 2001-867847 A1 20010529 (9)
RLI Continuation-in-part of Ser. No. US 2000-724842, filed on 28 Nov 2000,
PENDING
PRAI US 1999-168594P 19991129 (60)
DT Utility
FS APPLICATION
LN.CNT 1946
INCL INCLM: 424/185.100
NCL NCLM: 424/185.100
IC [7]
ICM: A61K039-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 263 OF 391 USPATFULL on STN
AN 2002:175286 USPATFULL
TI Alzheimer's disease secretase, APP substrates therefor, and uses thereof
IN Gurney, Mark E., Grand Rapids, MI, United States
Bienkowski, Michael J., Portage, MI, United States
Heinrikson, Robert L., Plainwell, MI, United States
Parodi, Luis A., Stockholm, SWEDEN
Yan, Riqiang, Kalamazoo, MI, United States
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.
corporation)
PI US 6420534 B1 20020716
AI US 2000-548372 20000412 (9)
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS GRANTED
LN.CNT 5653
INCL INCLM: 530/827.000
INCLS: 530/350.000; 435/023.000; 435/024.000
NCL NCLM: 435/226.000
NCLS: 435/023.000; 435/024.000; 435/069.100; 530/350.000
IC [7]

ICS: C07K014-00; C07K017-00; C12Q001-37
EXF 530/300; 530/350; 530/827; 435/23; 435/24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 264 OF 391 USPATFULL on STN
AN 2002:174955 USPATFULL
TI Methods of screening for agents that inhibit aggregation of polypeptides
IN Housman, David E., Newton, MA, United States
Preisinger, Elizabeth A., Roslindale, MA, United States
Kazantsev, Aleksey G., Boston, MA, United States
PA Massachusetts Institute of Technology, Boston, MA, United States (U.S.
corporation)
PI US 6420122 B1 20020716
AI US 1999-405048 19990927 (9)
DT Utility
FS GRANTED
LN.CNT 1135
INCL INCLM: 435/007.100
INCLS: 435/004.000; 436/501.000; 530/300.000; 530/350.000
NCL NCLM: 435/007.100
NCLS: 435/004.000; 436/501.000; 530/300.000; 530/350.000
IC [7]
ICM: G01N033-53
EXF 436/86; 436/501; 536/23.4; 530/300; 530/350; 435/7.1; 435/4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 265 OF 391 USPATFULL on STN
AN 2002:172315 USPATFULL
TI Endothelin converting enzymes and the amyloid beta peptide
IN Eckman, Christopher B., Ponte Vedra Beach, FL, UNITED STATES
Eckman, Elizabeth A., Ponte Vedra Beach, FL, UNITED STATES
PI US 2002091072 A1 20020711
AI US 2001-824924 A1 20010403 (9)
PRAI US 2000-233012P 20000915 (60)
DT Utility
FS APPLICATION
LN.CNT 1315
INCL INCLM: 514/001.000
INCLS: 435/006.000; 435/007.210
NCL NCLM: 514/001.000
NCLS: 435/006.000; 435/007.210
IC [7]
ICM: A61K031-00
ICS: C12Q001-68; G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 266 OF 391 USPATFULL on STN
AN 2002:164826 USPATFULL
TI PURIFIED 20 KDA PRESENILIN 2 C-TERMINAL FRAGMENT AND METHODS OF
SCREENING FOR COMPOUNDS THAT INHIBIT PROTEOLYSIS OF PRESENILIN 2
IN TANZI, RUDOLPH E., HULL, MA, UNITED STATES
KIM, TAE-WAN, WALTHAM, MA, UNITED STATES
PI US 2002086444 A1 20020704
AI US 1998-65902 A1 19980424 (9)
PRAI US 1997-44262P 19970424 (60)
DT Utility
FS APPLICATION
LN.CNT 2012
INCL INCLM: 436/536.000
INCLS: 530/388.100; 530/388.850; 436/548.000
NCL NCLM: 436/536.000
NCLS: 530/388.100; 530/388.850; 436/548.000
IC [7]
ICM: G01N033-53
ICS: C07K016-00; C12P021-08; G01N033-536
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 267 OF 391 USPATFULL on STN
AN 2002:164825 USPATFULL
TI Magnetic in situ dilution
IN Bamdad, Cynthia C., Newton, MA, UNITED STATES
PI US 2002086443 A1 20020704
AI US 2001-971099 A1 20011003 (9)
PRAI US 2000-237427P 20001003 (60)
US 2001-237427P 20011003 (60)

FS APPLICATION
LN.CNT 1494
INCL INCLM: 436/526.000
NCL NCLM: 436/526.000
IC [7]
ICM: G01N033-553

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 268 OF 391 USPATFULL on STN
AN 2002:157080 USPATFULL
TI NARC8 programmed cell-death-associated molecules and uses thereof
IN Chiang, Lillian Wei-Ming, Cambridge, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2002081679 A1 20020627
AI US 2001-775009 A1 20010201 (9)
RLI Continuation-in-part of Ser. No. US 2000-692785, filed on 20 Oct 2000,
PENDING
PRAI US 1999-161188P 19991022 (60)
DT Utility
FS APPLICATION
LN.CNT 4095
INCL INCLM: 435/183.000
INCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200; 435/226.000
NCL NCLM: 435/183.000
NCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200; 435/226.000
IC [7]
ICM: C12N009-00
ICS: C12N009-64; C07H021-04; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 269 OF 391 USPATFULL on STN
AN 2002:157035 USPATFULL
TI Alzheimer's disease secretase, APP substrates therefor, and uses
therefor
IN Gurney, Mark E., Reykjavik, ICELAND
Bienkowski, Michael J., Portage, MI, UNITED STATES
Heinrikson, Robert L., Plainwell, MI, UNITED STATES
Parodi, Luis A., Stockholm, SWEDEN
Yan, Riqiang, Kalamazoo, MI, UNITED STATES
PI US 2002081634 A1 20020627
AI US 2001-681442 A1 20010405 (9)
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999,
PENDING Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23
Sep 1999, UNKNOWN
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS APPLICATION
LN.CNT 5573
INCL INCLM: 435/007.210
INCLS: 435/006.000; 435/226.000
NCL NCLM: 435/007.210
NCLS: 435/006.000; 435/226.000
IC [7]
ICM: G01N033-567
ICS: C12Q001-68; C12N009-64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 270 OF 391 USPATFULL on STN
AN 2002:149132 USPATFULL
TI Synthetic immunogenic but non-amyloidogenic peptides homologous to
amyloid beta for induction of an immune response to amyloid beta and
amyloid deposits
IN Frangione, Blas, New York, NY, UNITED STATES
Wisniewski, Thomas, Staten Island, NY, UNITED STATES
Sigurdsson, Einar M., New York, NY, UNITED STATES
New York University, New York, NY (U.S. corporation)
PI US 2002077288 A1 20020620
AI US 2001-861847 A1 20010522 (9)
PRAI US 1996-16233P 19960426 (60)
DT Utility
FS APPLICATION
LN.CNT 1875

NCL INCLS: 514/013.000; 514/014.000; 530/324.000; 530/326.000; 530/327.000
NCLM: 514/012.000
NCLS: 514/013.000; 514/014.000; 530/324.000; 530/326.000; 530/327.000
IC [7]
ICM: A61K038-16
ICS: C07K014-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 271 OF 391 USPATFULL on STN
AN 2002:149131 USPATFULL
TI 28 ****human**** secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
PI US 2002077287 A1 20020620
AI US 2001-852659 A1 20010511 (9)
RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,
UNKNOWN
DT Utility
FS APPLICATION
LN.CNT 17779
INCL INCLM: 514/012.000
INCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;
536/023.200
NCL NCLM: 514/012.000
NCLS: 435/325.000; 435/320.100; 435/069.100; 435/183.000; 530/350.000;
536/023.200
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 272 OF 391 USPATFULL on STN
AN 2002:148656 USPATFULL
TI Compositions and methods for modulating TGF-beta signaling
IN Wang, Tongwen, Seattle, WA, UNITED STATES
PI US 2002076799 A1 20020620
AI US 2001-927738 A1 20010810 (9)
RLI Continuation-in-part of Ser. No. WO 2000-US3561, filed on 11 Feb 2000,
UNKNOWN
PRAI US 1999-119786P 19990211 (60)
DT Utility
FS APPLICATION
LN.CNT 5961
INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000; 530/388.260;
536/023.200
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 435/183.000; 530/388.260;
536/023.200
IC [7]
ICM: C12N009-64
ICS: C12N009-00; C07H021-04; C12P021-02; C12N005-06; C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 273 OF 391 USPATFULL on STN
AN 2002:148614 USPATFULL
TI 28 ****human**** secreted proteins
IN Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES

PI US 2002076756 A1 20020620
AI US 2001-853161 A1 20010511 (9)
PRAI US 2001-265583P 20010202 (60)
DT Utility
FS APPLICATION
LN.CNT 17788
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 530/350.000; 536/023.500
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 274 OF 391 USPATFULL on STN
AN 2002:129982 USPATFULL
TI N-(aryl/heteroaryl) amino acid esters, pharmaceutical compositions
comprising same, and methods for inhibiting alpha- amyloid peptide
release and/or its synthesis by use of such compounds
IN Audia, James E., Indianapolis, IN, United States
Folmer, Beverly K., Newark, DE, United States
John, Varghese, San Francisco, CA, United States
Latimer, Lee H., Oakland, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Reel, Jon K., Carmel, IN, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Whitesitt, Celia A., Greenwood, IN, United States
PA Athena Neurosciences, Inc., San Francisco, CA, United States (U.S.
corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)

PI US 6399628 B1 20020604
AI US 1999-266908 19990312 (9)
RLI Continuation of Ser. No. US 1997-975977, filed on 21 Nov 1997, now
patented, Pat. No. US 5965614
PRAI US 1996-104593P 19961122 (60)
DT Utility
FS GRANTED
LN.CNT 2944
INCL INCLM: 514/311.000
INCLS: 514/367.000; 514/415.000; 514/423.000; 514/452.000; 514/465.000;
514/467.000; 514/471.000; 514/529.000; 514/533.000; 514/538.000;
514/550.000; 514/567.000; 546/171.000; 548/161.000; 548/496.000;
548/540.000; 549/366.000; 549/439.000; 549/451.000; 549/496.000;
560/043.000; 560/045.000; 560/161.000; 562/433.000; 562/457.000
NCL NCLM: 514/311.000
NCLS: 514/367.000; 514/415.000; 514/423.000; 514/452.000; 514/465.000;
514/467.000; 514/471.000; 514/529.000; 514/533.000; 514/538.000;
514/550.000; 514/567.000; 546/171.000; 548/161.000; 548/496.000;
548/540.000; 549/366.000; 549/439.000; 549/451.000; 549/496.000;
560/043.000; 560/045.000; 560/161.000; 562/433.000; 562/457.000
IC [7]
ICM: C07D215-38
ICS: C07D277-82; C07D209-20; C07D319-14; C07D317-44; C07D307-02;
C07C229-28
EXF 514/311; 514/367; 514/413; 514/423; 514/452; 514/465; 514/467; 514/471;
514/529; 514/533; 514/538; 514/550; 514/567; 546/171; 548/161; 548/496;
548/540; 549/366; 549/439; 549/451; 549/496; 560/43; 560/45; 560/161;
562/433; 562/457
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 275 OF 391 USPATFULL on STN
AN 2002:129731 USPATFULL
TI Methods of detection of amyloidogenic proteins
IN Krishnamurthy, Girija, Chestnut Ridge, NY, United States
PA American Cyanamid Company, Madison, NY, United States (U.S. corporation)
PI US 6399314 B1 20020604
AI US 1999-474070 19991229 (9)
AT

FS GRANTED
 LN.CNT 1359
 INCL INCLM: 435/007.100
 INCLS: 514/001.000; 514/002.000; 530/387.100
 NCL NCLM: 435/007.100
 NCLS: 514/001.000; 514/002.000; 530/387.100
 IC [7]
 ICM: G01N033-53
 ICS: A01N061-00; A61K031-00; C07K016-00
 EXF 514/1; 514/2; 435/7.1; 530/387.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 276 OF 391 USPATFULL on STN
 AN 2002:126307 USPATFULL
 TI Alzheimer's disease secretase, APP substrates therefor, and uses
 therefor
 IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES
 Bienkowski, Michael J., Portage, MI, UNITED STATES
 Heinrikson, Robert L., Plainwell, MI, UNITED STATES
 Parodi, Luis A., Stockholm, SWEDEN
 Yan, Riqiang, Kalamazoo, MI, UNITED STATES
 PA Pharmacia & Upjohn Company (U.S. corporation)
 PI US 2002064819 A1 20020530
 AI US 2001-794925 A1 20010227 (9)
 RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
 Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING
 Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN
 PRAI US 1999-155493P 19990923 (60)
 US 1998-101594P 19980924 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 5465
 INCL INCLM: 435/069.100
 INCLS: 435/325.000; 435/320.100; 536/023.200
 NCL NCLM: 435/069.100
 NCLS: 435/325.000; 435/320.100; 536/023.200
 IC [7]
 ICM: C07H021-04
 ICS: C12P021-02
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 277 OF 391 USPATFULL on STN
 AN 2002:122820 USPATFULL
 TI Transgenic mice expressing ***human*** presenilin proteins
 IN St. George-Hyslop, Peter H., Toronto, CANADA
 Rommens, Johanna M., Toronto, CANADA
 Fraser, Paul E., Toronto, CANADA
 PA The Hospital for sick Children, Toronto, CANADA (non-U.S. corporation)
 HSC Research and Development Limited Partnership, Toronto, CANADA
 (non-U.S. corporation)
 The Governing Council of the University of Toronto, Toronto, CANADA
 (non-U.S. corporation)
 PI US 6395960 B1 20020528
 AI US 1998-124523 19980729 (9)
 RLI Division of Ser. No. US 1997-967101, filed on 10 Nov 1997, now patented,
 Pat. No. US 5840540 Division of Ser. No. US 1996-592541, filed on 26 Jan
 1996, now patented, Pat. No. US 5986054 Continuation-in-part of Ser. No.
 US 1995-509359, filed on 31 Jul 1995, now abandoned Continuation-in-part
 of Ser. No. US 1995-496841, filed on 28 Jun 1995, now patented, Pat. No.
 US 6210919 Continuation-in-part of Ser. No. US 1995-431048, filed on 28
 Apr 1995
 DT Utility
 FS GRANTED
 LN.CNT 4103
 INCL INCLM: 800/018.000
 INCLS: 800/012.000; 800/013.000; 800/014.000; 800/017.000
 NCL NCLM: 800/018.000
 NCLS: 800/012.000; 800/013.000; 800/014.000; 800/017.000
 IC [7]
 ICM: A01K067-00
 ICS: A01K067-027; A01K067-033
 EXF 800/8; 800/12; 800/13; 800/14; 800/17; 800/18

L4 ANSWER 278 OF 391 USPATFULL on STN
 AN 2002:119886 USPATFULL

IN Yang, Michael G., wilmington, DE, UNITED STATES
Liu, Hong, Glen Mills, PA, UNITED STATES
PI US 2002061874 A1 20020523
AI US 2001-824945 A1 20010403 (9)
PRAI US 2000-194302P 20000403 (60)
DT Utility
FS APPLICATION
LN.CNT 4518
INCL INCLM: 514/212.040
INCLS: 514/212.070; 514/212.080; 514/221.000; 540/504.000; 540/522.000;
540/523.000; 540/524.000
NCL NCLM: 514/212.040
NCLS: 514/212.070; 514/212.080; 514/221.000; 540/504.000; 540/522.000;
540/523.000; 540/524.000
IC [7]
ICM: A61K031-5513
ICS: A61K031-55; C07D243-24; C07D223-16; C07D223-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 279 OF 391 USPATFULL on STN
AN 2002:112541 USPATFULL
TI Proteins related to schizophrenia and uses thereof
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto (non-U.S.
corporation)
PI US 2002058276 A1 20020516
AI US 2001-945258 A1 20010831 (9)
PRAI US 2000-229889P 20000901 (60)
DT Utility
FS APPLICATION
LN.CNT 2909
INCL INCLM: 435/006.000
INCLS: 424/009.200; 800/003.000
NCL NCLM: 435/006.000
NCLS: 424/009.200; 800/003.000
IC [7]
ICM: C12Q001-68
ICS: A61K049-00; A01K067-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 280 OF 391 USPATFULL on STN
AN 2002:106320 USPATFULL
TI Method for treating alzheimer's disease
IN Bisgaier, Charles Larry, Ann Arbor, MI, UNITED STATES
Emmerling, Mark Richard, Chelsea, MI, UNITED STATES
Roher, Alex Eugene, Carefree, AZ, UNITED STATES
PI US 2002055529 A1 20020509
AI US 2001-888592 A1 20010626 (9)
RLI Division of Ser. No. US 2000-554994, filed on 23 May 2000, PENDING
PRAI WO 1998-US25495 19981202
DT Utility
FS APPLICATION
LN.CNT 819
INCL INCLM: 514/369.000
INCLS: 514/381.000; 514/356.000; 514/559.000; 514/560.000; 514/557.000
NCL NCLM: 514/369.000
NCLS: 514/381.000; 514/356.000; 514/559.000; 514/560.000; 514/557.000
IC [7]
ICM: A61K031-455
ICS: A61K031-426; A61K031-41; A61K031-202; A61K031-19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 281 OF 391 USPATFULL on STN
AN 2002:106292 USPATFULL
TI Succinoylamino carbocycles and heterocycles as inhibitors of a-beta
protein production
IN Olson, Richard E., wilmington, DE, UNITED STATES
Maduskuie, Thomas P., wilmington, DE, UNITED STATES
Thompson, Lorin A., wilmington, DE, UNITED STATES
Tebben, Andrew J., Wallingford, PA, UNITED STATES
Wang, Nenghui, Newark, DE, UNITED STATES
Deng, Wei, wilmington, DE, UNITED STATES
Liu, Hong, Newark, DE, UNITED STATES
PI US 2002055501 A1 20020509

AI US 2001-788227 A1 20010216 (9)
PRAI US 2000-183186P 20000217 (60)
DT Utility
FS APPLICATION
LN.CNT 7229
INCL INCLM: 514/212.050
INCLS: 514/221.000; 540/500.000; 540/523.000
NCL NCLM: 514/220.000
NCLS: 540/496.000
IC [7]

ICM: A61K031-551

ICS: A61K031-55; C07D498-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 282 OF 391 USPATFULL on STN
AN 2002:102272 USPATFULL
TI Alzheimer's related proteins and methods of use
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto, Toronto, CANADA
(non-U.S. corporation)

PI US 6383758 B1 20020507

AI US 1999-227725 19990108 (9)

PRAI US 1998-70948P 19980109 (60)

DT Utility

FS GRANTED

LN.CNT 1420

INCL INCLM: 435/007.100

INCLS: 530/350.000

NCL NCLM: 435/007.100

NCLS: 530/350.000

IC [7]

ICM: G01M033-53

ICS: C07K014-00

EXF 435/7.1; 530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 283 OF 391 USPATFULL on STN
AN 2002:99459 USPATFULL
TI Hydroxyalkanoylaminolactams and related structures as inhibitors of a
beta protein production
IN Olson, Richard E., Wilmington, DE, UNITED STATES
Liu, Hong, Glen Mills, PA, UNITED STATES
Thompson III, Lorin A., Wilmington, DE, UNITED STATES

PI US 2002052360 A1 20020502

US 6503902 B2 20030107

AI US 2001-805645 A1 20010314 (9)

RLI Continuation-in-part of Ser. No. US 2000-661008, filed on 13 Sep 2000,
PENDING

PRAI US 1999-153511P 19990913 (60)

US 2000-224388P 20000809 (60)

DT Utility

FS APPLICATION

LN.CNT 6949

INCL INCLM: 514/212.040

INCLS: 514/218.000; 514/220.000; 540/522.000; 540/523.000; 540/504.000

NCL NCLM: 514/221.000

NCLS: 540/509.000

IC [7]

ICM: A61K031-55

ICS: A61K031-5513; A61K031-551

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 284 OF 391 USPATFULL on STN
AN 2002:99421 USPATFULL
TI Methods and compounds for inhibiting ***beta*** - ***amyloid***
peptide release and/or its synthesis
IN Audia, James E., Indianapolis, IN, UNITED STATES
Britton, Thomas C., Carmel, IN, UNITED STATES
Droste, James J., Indianapolis, IN, UNITED STATES
Folmer, Beverly K., Newark, DE, UNITED STATES
Huffman, George W., Carmel, IN, UNITED STATES
Varghese, John, San Francisco, CA, UNITED STATES
Latimer, Lee H., Oakland, CA, UNITED STATES

Porter, Warren J., Indianapolis, IN, UNITED STATES
Reel, Jon K., Carmel, IN, UNITED STATES
Thorsett, Eugene D., Moss Beach, CA, UNITED STATES
Tung, Jay S., Belmont, CA, UNITED STATES
Wu, Jing, San Mateo, CA, UNITED STATES
Eid, Clark Norman, Cheshire, CT, UNITED STATES
Scott, William Leonard, Indianapolis, IN, UNITED STATES

PI US 2002052322 A1 20020502
AI US 2001-789487 A1 20010220 (9)
RLI Continuation of Ser. No. US 1997-976289, filed on 21 Nov 1997, GRANTED,
Pat. No. US 6191166
PRAI US 1996-108166P 19961122 (60)
US 1997-108161P 19970228 (60)
US 1997-98558P 19970228 (60)
US 1997-64859P 19970228 (60)
DT Utility
FS APPLICATION
LN.CNT 14911
INCL INCLM: 514/018.000
INCLS: 514/019.000; 514/400.000; 514/563.000; 514/419.000
NCL NCLM: 514/018.000
NCLS: 514/019.000; 514/400.000; 514/563.000; 514/419.000
IC [7]
ICM: A61K038-06
ICS: A61K031-05; A61K031-4172; A61K031-405; A61K031-198
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 285 OF 391 USPATFULL on STN
AN 2002:92777 USPATFULL
TI Catalytically active recombinant memapsin and methods of use thereof
IN Tang, Jordan J. N., Edmond, OK, UNITED STATES
Lin, Xinli, Edmond, OK, UNITED STATES
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES
Hong, Lin, Oklahoma City, OK, UNITED STATES
PI US 2002049303 A1 20020425
AI US 2001-796264 A1 20010228 (9)
RLI Division of Ser. No. US 2000-604608, filed on 27 Jun 2000, PENDING
PRAI US 1999-141363P 19990628 (60)
US 1999-168060P 19991130 (60)
US 2000-177836P 20000125 (60)
US 2000-178368P 20000127 (60)
DT Utility
FS APPLICATION
LN.CNT 2441
INCL INCLM: 530/350.000
INCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 435/069.200;
514/002.000; 530/387.900
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 435/069.200;
514/002.000; 530/387.900
IC [7]
ICM: C12N015-09
ICS: C12N009-64; C12N015-74
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 286 OF 391 USPATFULL on STN
AN 2002:91754 USPATFULL
TI Methods and composition for restoring conformational stability of a
protein of the p53 family
IN Rastinejad, Farzan, Old Saybrook, CT, UNITED STATES
Foster, Barbara A., Mystic, CT, UNITED STATES
Coffey, Heather A., Groton, CT, UNITED STATES
Connell, Richard D., East Lyme, CT, UNITED STATES
PI US 2002048271 A1 20020425
AI US 2001-863976 A1 20010523 (9)
RLI Continuation of Ser. No. US 1999-443542, filed on 19 Nov 1999, PENDING
PRAI US 1998-110542P 19981202 (60)
DT Utility
FS APPLICATION
LN.CNT 2082
INCL INCLM: 370/395.000
INCLS: 514/228.200; 514/232.800; 514/234.500; 514/252.170; 514/259.000;
514/253.020; 514/253.030; 514/284.000; 514/290.000
NCL NCLM: 370/395.000
NCLS: 514/228.200; 514/232.800; 514/234.500; 514/252.170; 514/259.000;
514/253.020; 514/253.030; 514/284.000; 514/290.000

IC [7]
 ICM: A61K031-5415
 ICS: A61K031-5377; A61K031-496; A61K031-517; A61K031-473; H04L012-28;
 H04L012-56
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 287 OF 391 USPATFULL on STN
 AN 2002:88227 USPATFULL
 TI Screening methods for agents that modulate or inhibit tau association
 with tau or map2
 IN Wischik, Claude Michel, Cambridge, UNITED KINGDOM
 Edwards, Patricia Carol, Cambridge, UNITED KINGDOM
 Harrington, Charles Robert, Cambridge, UNITED KINGDOM
 Roth, Martin, Cambridge, UNITED KINGDOM
 Klug, Aaron, Cambridge, UNITED KINGDOM
 PA University Court of the University of Aberdeen, Aberdeen, UNITED KINGDOM
 (non-U.S. corporation)
 PI US 6376205 B1 20020423
 WO 9630766 19961003
 AI US 1997-913915 19971212 (8)
 WO 1996-EP1307 19960325
 19971212 PCT 371 date
 PRAI GB 1995-6197 19950327
 DT Utility
 FS GRANTED
 LN.CNT 1856
 INCL INCLM: 435/007.800
 INCLS: 435/007.100; 435/007.920; 436/501.000; 436/503.000; 436/504.000
 NCL NCLM: 435/007.800
 NCLS: 435/007.100; 435/007.920; 436/501.000; 436/503.000; 436/504.000
 IC [7]
 ICM: G01N033-53
 EXF 435/701; 435/7.8; 435/7.92; 436/501; 436/503; 436/504
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 288 OF 391 USPATFULL on STN
 AN 2002:85579 USPATFULL
 TI Method and composition for modulating amyloidosis
 IN Reiner, Peter B., Vancouver, CANADA
 Connop, Bruce P., Vancouver, CANADA
 PA The University of British Columbia (non-U.S. corporation)
 PI US 2002045621 A1 20020418
 US 6472145 B2 20021029
 AI US 2001-874968 A1 20010605 (9)
 RLI Continuation of Ser. No. US 2000-660599, filed on 13 Sep 2000, ABANDONED
 Continuation of Ser. No. US 1999-383317, filed on 25 Aug 1999, PATENTED
 Continuation of Ser. No. US 1998-80141, filed on 15 May 1998, PATENTED
 DT Utility
 FS APPLICATION
 LN.CNT 1150
 INCL INCLM: 514/237.800
 INCLS: 514/247.000; 514/255.060; 514/255.010; 514/256.000; 514/317.000;
 514/370.000; 514/377.000; 514/430.000; 514/415.000; 514/426.000;
 514/459.000; 514/646.000
 NCL NCLM: 435/004.000
 NCLS: 435/029.000
 IC [7]
 ICM: A61K031-535
 ICS: A61K031-50; A61K031-495; A61K031-135; A61K031-40; A61K031-405
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 289 OF 391 USPATFULL on STN
 AN 2002:78763 USPATFULL
 TI ***Beta*** - ***amyloid*** inhibitors, processes for preparing
 them, and their use in pharmaceutical compositions
 IN Briem, Hans, Bremen, GERMANY, FEDERAL REPUBLIC OF
 Mendla, Klaus, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
 Romig, Helmut Michael, Gau-Alegsheim, GERMANY, FEDERAL REPUBLIC OF
 Fechteler, Katja, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
 Fuchs, Klaus, Gau-Algesheim, GERMANY, FEDERAL REPUBLIC OF
 PI US 2002042420 A1 20020411
 US 6514969 B2 20030204
 AI US 2001-911825 A1 20010724 (9)
 PRAI DE 2000-10040016 20000816
 US 2000-2270205 20000822 (50)

FS APPLICATION
LN.CNT 1132
INCL INCLM: 514/253.040
INCLS: 514/300.000; 546/113.000; 514/233.200; 544/128.000; 544/362.000
NCL NCLM: 514/233.200
NCLS: 514/253.090; 514/322.000; 544/129.000; 544/364.000; 546/199.000
IC [7]
ICM: C07D471-02
ICS: A61K031-5377; A61K031-4745; A61K031-496
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 290 OF 391 USPATFULL on STN
AN 2002:67190 USPATFULL
TI METHOD AND COMPOSITION FOR MODULATING AMYLOIDOSIS
IN REINER, PETER B., VANCOUVER, CANADA
LAM, FRED CHIU-LAI, VANCOUVER, CANADA
PI US 2002037843 A1 20020328
US 6514686 B2 20030204
AI US 1998-177413 A1 19981023 (9)
RLI Continuation-in-part of Ser. No. US 1998-67523, filed on 28 Apr 1998,
ABANDONED Continuation-in-part of Ser. No. US 1997-847616, filed on 28
Apr 1997, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2452
INCL INCLM: 514/011.000
INCLS: 530/317.000; 435/004.000; 435/007.100; 436/086.000; 530/324.000;
435/183.000
NCL NCLM: 435/004.000
NCLS: 435/007.400; 436/086.000; 530/324.000
IC [7]
ICM: C12Q001-00
ICS: G01N033-53; A61K038-00; G01N033-00; C12N009-00; C07K005-00;
C07K007-00; C07K016-00; C07K017-00; A61K038-12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 291 OF 391 USPATFULL on STN
AN 2002:66664 USPATFULL
TI Alzheimer's disease secretase, APP substrates therefor, and uses
therefor
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES
Bienkowski, Michael J., Portage, MI, UNITED STATES
Heinrikson, Robert L., Plainwell, MI, UNITED STATES
Parodi, Luis A., Stockholm, SWEDEN
Yan, Riqiang, Kalamazoo, MI, UNITED STATES
Pharmacia & Upjohn Company (U.S. corporation)
PA
PI US 2002037315 A1 20020328
AI US 2001-794748 A1 20010227 (9)
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS APPLICATION
LN.CNT 5440
INCL INCLM: 424/450.000
INCLS: 424/093.210; 514/044.000
NCL NCLM: 424/450.000
NCLS: 424/093.210; 514/044.000
IC [7]
ICM: A61K048-00
ICS: A61K009-127
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 292 OF 391 USPATFULL on STN
AN 2002:60975 USPATFULL
TI Avian and reptile derived polynucleotide encoding a polypeptide having
heparanase activity
IN Goldshmidt, Orit, Jerusalem, ISRAEL
Pecker, Iris, Rishon LeZion, ISRAEL
Vlodavsky, Israel, Mevaseret Zion, ISRAEL
Michal, Israel, Ashkelon, ISRAEL
Zcharia, Eyal, Jerusalem, ISRAEL

AI US 2001-930218 A1 20010816 (9)
RLI Continuation-in-part of Ser. No. US 2000-666390, filed on 20 Sep 2000,
PENDING
DT Utility
FS APPLICATION
LN.CNT 2355
INCL INCLM: 435/200.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 424/094.610; 536/023.200
NCL NCLM: 435/200.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 424/094.610; 536/023.200
IC [7]
ICM: C12N009-24
ICS: C07H021-04; A61K038-47; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 293 OF 391 USPATFULL on STN
AN 2002:43588 USPATFULL
TI Substituted lactams as inhibitors of A beta protein production
IN Han, Qi, Hockessin, DE, UNITED STATES
Liu, Hong, Glen Mills, PA, UNITED STATES
Olson, Richard E., Wilmington, DE, UNITED STATES
Yang, Michael G., Wilmington, DE, UNITED STATES
PI US 2002025955 A1 20020228
US 6632812 B2 20031014
AI US 2001-832455 A1 20010411 (9)
PRAI US 2000-196549P 20000411 (60)
DT Utility
FS APPLICATION
LN.CNT 5194
INCL INCLM: 514/212.040
INCLS: 514/212.070; 514/212.080; 514/221.000; 540/500.000; 540/522.000;
540/523.000; 540/524.000
NCL NCLM: 514/221.000
NCLS: 540/509.000
IC [7]
ICM: A61K031-55
ICS: A61K031-5513; C07D243-10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 294 OF 391 USPATFULL on STN
AN 2002:32581 USPATFULL
TI Methods to treat alzheimer's disease
IN Hom, Roy, San Francisco, CA, UNITED STATES
Mamo, Shumeye S., Oakland, CA, UNITED STATES
Tung, Jay, Belmont, CA, UNITED STATES
Gailunas, Andrea, San Francisco, CA, UNITED STATES
John, Varghese, San Francisco, CA, UNITED STATES
Fang, Lawrence Y., Foster City, CA, UNITED STATES
PI US 2002019403 A1 20020214
AI US 2001-816876 A1 20010323 (9)
PRAI US 2000-191528P 20000323 (60)
DT Utility
FS APPLICATION
LN.CNT 8655
INCL INCLM: 514/256.000
INCLS: 514/519.000; 514/520.000; 514/534.000
NCL NCLM: 514/256.000
NCLS: 514/519.000; 514/520.000; 514/534.000
IC [7]
ICM: A61K031-505
ICS: A61K031-275; A61K031-277; A61K031-24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 295 OF 391 USPATFULL on STN
AN 2002:28127 USPATFULL
TI TRANSGENIC ANIMAL EXPRESSING NON-NATIVE WILD-TYPE AND FAMILIAL
ALZHEIMER'S DISEASE MUTANT PRESENILIN 1 PROTEIN ON NATIVE PRESENILIN 1
NULL BACKGROUND
IN ZHENG, HUI, EDISON, NJ, UNITED STATES
JIANG, PING, PLAINSBORO, NJ, UNITED STATES
QIAN, SU, SAYREVILLE, NJ, UNITED STATES
VAN DER PLOEG, LEONARDUS H. T., SCOTCH PLAINS, NJ, UNITED STATES
WONG, PHILIP CHUN-YING, TIMONIUM, MD, UNITED STATES
SISODIA, SANGRAM S., CHICAGO, IL, UNITED STATES
PI US 2002015070 A1 20020207

AI US 1998-78871 A1 19980514 (9)
PRAI US 1998-78465P 19980318 (60)
US 1997-46488P 19970514 (60)
DT Utility
FS APPLICATION
LN.CNT 1262
INCL INCLM: 800/009.000
INCLS: 800/012.000; 800/014.000; 800/018.000; 800/025.000; 800/003.000
NCL NCLM: 800/012.000
NCLS: 435/029.000; 435/354.000; 800/003.000; 800/018.000; 800/022.000;
800/025.000
IC [7]
ICM: A01K067-027
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 296 OF 391 USPATFULL on STN
AN 2002:17292 USPATFULL
TI Lactams as inhibitors of A-beta protein production
IN Thompson, Lorin A., Wilmington, DE, UNITED STATES
PI US 2002010172 A1 20020124
US 6495540 B2 20021217
AI US 2001-817957 A1 20010327 (9)
PRAI US 2000-192527P 20000328 (60)
DT Utility
FS APPLICATION
LN.CNT 1265
INCL INCLM: 514/212.030
INCLS: 540/527.000
NCL NCLM: 514/212.030
NCLS: 514/212.080; 540/524.000; 540/525.000; 540/527.000
IC [7]
ICM: A61K031-55
ICS: C07D223-10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 297 OF 391 USPATFULL on STN
AN 2002:16894 USPATFULL
TI 18036, a novel calpain-like protease and uses thereof
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2002009774 A1 20020124
US 6620592 B2 20030916
AI US 2001-794960 A1 20010226 (9)
PRAI US 2000-185333P 20000228 (60)
DT Utility
FS APPLICATION
LN.CNT 3989
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/183.000; 435/320.100; 536/023.100
NCL NCLM: 435/023.000
NCLS: 435/219.000; 435/069.100; 435/325.000; 435/320.100; 435/252.300;
536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N005-00; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 298 OF 391 USPATFULL on STN
AN 2002:16893 USPATFULL
TI DEATH DOMAIN CONTAINING RECEPTORS
IN YU, GUO-LIANG, DARNESTOWN, MD, UNITED STATES
NI, JIAN, ROCKVILLE, MD, UNITED STATES
GENTZ, REINER L., SILVER SPRING, MD, UNITED STATES
DILLON, PATRICK J., GAITHERSBURG, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2002009773 A1 20020124
AI US 1999-333966 A1 19990616 (9)
RLI Division of Ser. No. US 1997-815469, filed on 11 Mar 1997, GRANTED, Pat.
No. US 6153402
PRAI US 1996-13285P 19960312 (60)
US 1996-28711P 19961017 (60)
US 1997-37341P 19970206 (60)
DT Utility
FS APPLICATION
LN.CNT 3011

INCLS: 536/023.500; 435/320.100; 530/325.000; 435/325.000; 530/324.000;
530/387.900; 514/002.000
NCLM: 435/069.100
NCLS: 536/023.500; 435/320.100; 530/325.000; 435/325.000; 530/324.000;
530/387.900; 514/002.000

IC [7]
ICM: A01N037-18
ICS: A61K038-00; C07H021-04; C12P021-06; C12N015-00; C12N015-09;
C12N015-63; C12N015-70; C12N015-74; C07K005-00; C07K007-00; C07K016-00;
C07K017-00; C12N005-00; C12N005-02; C07K001-00; C07K014-00; C12P021-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 299 OF 391 USPATFULL on STN

AN 2002:16872 USPATFULL

TI Compounds that selectively bind to expanded polyglutamine repeat domains
and methods of use thereof

IN Burke, James R., Chapel Hill, NC, UNITED STATES
Strittmatter, Warren J., Durham, NC, UNITED STATES
Nagai, Yoshitaka, Osaka, JAPAN

PI US 2002009752 A1 20020124

US 6632616 B2 20031014

AI US 2001-780070 A1 20010209 (9)

PRAI US 2000-189781P 20000316 (60)

DT Utility

FS APPLICATION

LN.CNT 1749

INCL INCLM: 435/007.100

INCLS: 530/324.000; 435/325.000

NCLM: 435/007.100

NCLS: 435/006.000; 435/004.000; 530/350.000

IC [7]

ICM: G01N033-53

ICS: C12N005-06; C07K007-00; C07K014-00

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 300 OF 391 USPATFULL on STN

AN 2002:1251 USPATFULL

TI Lactacystin analogs

IN Fenteany, Gabriel, Cambridge, MA, United States
Jamison, Timothy F., Cambridge, MA, United States
Schreiber, Stuart L., Boston, MA, United States
Standaert, Robert F., Arlington, MA, United States

PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)

PI US 6335358 B1 20020101

AI US 1995-421583 19950412 (8)

DT Utility

FS GRANTED

LN.CNT 2285

INCL INCLM: 514/412.000

INCLS: 514/210.000; 514/414.000; 514/422.000; 514/424.000; 514/428.000;
514/439.000; 514/441.000; 514/443.000; 514/444.000; 514/464.000;
514/465.000; 514/466.000

NCLM: 514/412.000

NCLS: 514/192.000; 514/210.050; 514/210.060; 514/414.000; 514/422.000;
514/424.000; 514/428.000; 514/439.000; 514/441.000; 514/443.000;
514/444.000; 514/464.000; 514/465.000; 514/466.000

IC [7]

ICM: A61K031-36

ICS: A61K031-385; A61K031-38; A61K031-40

EXF 514/210; 514/412; 514/414; 514/422; 514/424; 514/428; 514/439; 514/441;
514/443; 514/444; 514/464; 514/465; 514/466

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 301 OF 391 USPATFULL on STN

AN 2001:235274 USPATFULL

TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions
comprising same, and methods for inhibiting . ***beta*** .-
amyloid peptide release and/or its synthesis by use of such
compounds

IN Wu, Jing, San Mateo, CA, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Mabry, Thomas E., Indianapolis, IN, United States
Latimer, David W., Oakland, CA, United States

Fang, Lawrence Y., Foster City, CA, United States
Audia, James E., Indianapolis, IN, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6333351 B1 20011225
AI US 1999-303655 19990503 (9)
RLI Continuation of Ser. No. US 1997-976179, filed on 21 Nov 1997, now patented, Pat. No. US 6117901
PRAI US 1996-98551P 19961122 (60)
US 1996-19790P 19960614 (60)
DT Utility
FS GRANTED
LN.CNT 3252
INCL INCLM: 514/538.000
INCLS: 560/037.000; 514/432.000; 514/452.000; 549/023.000; 549/362.000
NCL NCLM: 514/538.000
NCLS: 514/432.000; 514/452.000; 549/023.000; 549/362.000; 560/037.000
IC [7]
ICM: C07C229-06
ICS: A61K031-24; A61K031-38; A61K031-335
EXF 560/37; 514/538; 514/432; 514/452; 549/23; 549/362
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 302 OF 391 USPATFULL on STN
AN 2001:231155 USPATFULL
TI Use of small molecule radioligands to discover inhibitors of amyloid-beta peptide production
IN Zaczek, Robert, 18 Roosevelt Way, Avondale, PA, United States 19311
Olson, Richard E., 7 Pelham Rd., Wilmington, DE, United States 19803
Seiffert, Dietmar A., 3719 Highland Dr., Boothwyn, PA, United States 19061
Thompson, Lorin Andrew, 600 Silverside Rd., Wilmington, DE, United States 19809
PI US 6331408 B1 20011218
AI US 1999-438901 19991112 (9)
PRAI US 1999-131284P 19990427 (60)
US 1998-108147P 19981112 (60)
DT Utility
FS GRANTED
LN.CNT 3570
INCL INCLM: 435/023.000
INCLS: 435/024.000; 435/004.000; 435/968.000
NCL NCLM: 435/023.000
NCLS: 435/004.000; 435/024.000; 435/968.000
IC [7]
ICM: C12Q001-37
ICS: C12Q001-00; G01N033-53
EXF 435/23; 435/24; 435/4; 435/968
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 303 OF 391 USPATFULL on STN
AN 2001:229689 USPATFULL
TI Method for treating Alzheimer's disease
IN Ahn, Kyunghye, Ann Arbor, MI, United States
Emmerling, Mark Richard, Chelsea, MI, United States
Haske, Taraneh, Ann Arbor, MI, United States
Hupe, Donald J., Ann Arbor, MI, United States
Sebolt-Leopold, Judith, Ann Arbor, MI, United States
LeVine, Harry, III, Ann Arbor, MI, United States
Scholten, Jeffrey David, Pinckney, MI, United States
PI US 2001051642 A1 20011213
AI US 2001-771529 A1 20010129 (9)
PRAI US 2000-197484P 20000417 (60)
DT Utility
FS APPLICATION
LN.CNT 729
INCL INCLM: 514/341.000
INCLS: 514/314.000; 514/400.000
NCL NCLM: 514/341.000
NCLS: 514/314.000; 514/400.000
IC [7]
ICM: A61K031-4164
ICS: A61K031-4439; A61K031-4709
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 304 OF 391 USPATFULL on STN
 AN 2001:211963 USPATFULL
 TI Smilagenin and its use
 IN Xia, Zongqin, Shanghai, China
 Rubin, Ian, Leicester, Great Britain
 Whittle, Brian, Hornsea, Great Britain
 Gunning, Philip, Saffron Walden, Great Britain
 Hu, Yaer, Shanghai, China
 Brostoff, Jonathan, London, Great Britain
 Wang, Weijun, Huntingdon, Great Britain
 PI US 2001043955 A1 20011122
 AI US 2001-866234 A1 20010525 (9)
 RLI Division of Ser. No. US 1999-362328, filed on 28 Jul 1999, GRANTED, Pat.
 No. US 6258386
 PRAI GB 1999-5275 19990308
 DT Utility
 FS APPLICATION
 LN.CNT 682
 INCL INCLM: 424/725.000
 INCLS: 424/769.000; 514/025.000
 NCL NCLM: 424/725.000
 NCLS: 424/769.000; 514/025.000
 IC [7]
 ICM: A61K035-78
 ICS: A61K031-70
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 305 OF 391 USPATFULL on STN
 AN 2001:208478 USPATFULL
 TI Modulators of amyloid aggregation
 IN Findeis, Mark A., Cambridge, MA, United States
 Benjamin, Howard, Lexington, MA, United States
 Garnick, Marc B., Brookline, MA, United States
 Gefter, Malcolm L., Lincoln, MA, United States
 Hundal, Arvind, Brighton, MA, United States
 Kasman, Laura, Athens, GA, United States
 Musso, Gary, Hopkinton, MA, United States
 Signer, Ethan R., Cambridge, MA, United States
 Wakefield, James, Brookline, MA, United States
 Reed, Michael J., Marietta, GA, United States
 PA Praecis Pharmaceuticals Incorporated, Cambridge, MA, United States (U.S.
 corporation)
 PI US 6319498 B1 20011120
 AI US 1996-617267 19960314 (8)
 RLI Continuation-in-part of Ser. No. US 1995-548998, filed on 27 Oct 1995,
 now abandoned Continuation-in-part of Ser. No. US 1995-475579, filed on
 7 Jun 1995, now patented, Pat. No. US 5854215 Continuation-in-part of
 Ser. No. US 1995-404831, filed on 14 Mar 1995, now patented, Pat. No. US
 5817626
 DT Utility
 FS GRANTED
 LN.CNT 4293
 INCL INCLM: 424/094.300
 INCLS: 424/094.610; 435/188.000; 435/206.000; 514/007.000; 514/012.000;
 514/021.000; 530/307.000; 530/324.000; 530/345.000; 530/350.000;
 530/359.000; 530/382.000; 530/394.000; 530/402.000; 530/410.000
 NCL NCLM: 424/094.300
 NCLS: 424/094.610; 435/188.000; 435/206.000; 514/007.000; 514/012.000;
 514/021.000; 530/307.000; 530/324.000; 530/345.000; 530/350.000;
 530/359.000; 530/382.000; 530/394.000; 530/402.000; 530/410.000
 IC [7]
 ICM: A61K038-02
 ICS: A61K038-17; C07K001-113; C07K014-47
 EXF 514/7; 514/12; 514/21; 435/188; 435/206; 424/94.3; 424/94.61; 530/307;
 530/324; 530/325; 530/326; 530/345; 530/350; 530/359; 530/382; 530/394;
 530/402; 530/410
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 306 OF 391 USPATFULL on STN
 AN 2001:197049 USPATFULL
 TI N(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions
 comprising same, and methods for inhibiting . ***beta*** .-
 amyloid peptide release and/or its synthesis by use of such
 compounds
 IN Wu, Jing, San Mateo, CA, United States

Nissen, Jeffrey S., Indianapolis, IN, United States
 Mabry, Thomas E., Indianapolis, IN, United States
 Latimer, Lee H., Oakland, CA, United States
 John, Varghese, San Francisco, CA, United States
 Fang, Lawrence Y., Foster City, CA, United States
 Audia, James E., Indianapolis, IN, United States
 PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)
 Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)
 PI US 6313152 B1 20011106
 AI US 1999-390692 19990907 (9)
 RLI Division of Ser. No. US 1997-976179, filed on 21 Nov 1997, now patented, Pat. No. US 6117901
 PRAI US 1996-98551P 19961122 (60)
 US 1996-19790P 19960614 (60)
 DT Utility
 FS GRANTED
 LN.CNT 3130
 INCL INCLM: 514/357.000
 INCLS: 514/375.000; 514/379.000; 514/438.000; 514/439.000; 514/461.000; 514/469.000
 NCL NCLM: 514/357.000
 NCLS: 514/375.000; 514/379.000; 514/438.000; 514/439.000; 514/461.000; 514/469.000
 IC [7]
 ICM: A61K031-44
 ICS: A61K031-425
 EXF 514/357; 514/375; 514/379; 514/438; 514/439; 514/461; 514/469
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 307 OF 391 USPATFULL on STN
 AN 2001:185101 USPATFULL
 TI Controlling protein levels in eucaryotic organisms
 IN Kenten, John H., Boyds, MD, United States
 Roberts, Steven F., Bethesda, MD, United States
 PA Proteinex, Inc., Gaithersburg, MD, United States (U.S. corporation)
 PI US 6306663 B1 20011023
 AI US 1999-406781 19990928 (9)
 PRAI US 1999-119851P 19990202 (60)
 DT Utility
 FS GRANTED
 LN.CNT 2668
 INCL INCLM: 436/501.000
 INCLS: 424/094.100; 435/004.000; 435/007.720; 435/041.000; 435/106.000; 514/002.000; 530/300.000; 530/350.000; 930/020.000
 NCL NCLM: 436/501.000
 NCLS: 424/094.100; 435/004.000; 435/007.720; 435/041.000; 435/106.000; 514/002.000; 530/300.000; 530/350.000; 930/020.000
 IC [7]
 ICM: G01N033-566
 EXF 435/41; 435/106; 435/4; 435/7.72; 436/501; 514/2; 530/300; 530/350; 930/20; 424/94.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 308 OF 391 USPATFULL on STN
 AN 2001:173781 USPATFULL
 TI Transgenic mouse expressing an APP-FAD DNA sequence
 IN Hardy, John Anthony, Tampa, FL, United States
 Chartier-Harlin, Marie-Christine, Villeneuve d'Ascq, France
 Goate, Alison Mary, St. Louis, MO, United States
 Owen, Michael John, South Glamorgan, United Kingdom
 Mullan, Michael John, Tampa, FL, United States
 PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)
 PI US 6300540 B1 20011009
 AI US 1995-464250 19950605 (8)
 RLI Continuation of Ser. No. US 104165, now patented, Pat. No. US 5877015
 PRAI GB 1991-1307 19910121
 GB 1991-18445 19910828
 DT Utility
 FS GRANTED
 LN.CNT 1358
 INCL INCLM: 800/018.000
 INCLS: 800/003.000; 800/012.000

IC NCLS: 800/003.000; 800/012.000
 [7]
 ICM: A01K067-027
 ICS: A01K067-033; G01N033-00
 EXF 800/2; 800/DIG.1; 800/3; 800/12; 800/18; 536/23.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 309 OF 391 USPATFULL on STN
 AN 2001:163000 USPATFULL
 TI Protein fragment complementation assays for the detection of biological
 or drug interactions
 IN Michnick, Stephen William Watson, Westmount, Canada
 Remy, Ingrid, Montreal, Canada
 PA Odyssey Pharmaceuticals Inc., San Ramon, CA, United States (U.S.
 corporation)
 PI US 6294330 B1 20010925
 AI US 1998-124850 19980730 (9)
 RLI Continuation-in-part of Ser. No. US 1998-17412, filed on 2 Feb 1998
 PRAI CA 1997-2196496 19970131
 DT Utility
 FS GRANTED
 LN.CNT 3238
 INCL INCLM: 435/006.000
 INCLS: 435/069.700; 435/325.000; 435/252.300; 435/254.110; 435/440.000;
 435/455.000; 435/468.000; 435/320.100; 536/023.400; 536/023.500
 NCL NCLM: 435/006.000
 NCLS: 435/069.700; 435/252.300; 435/254.110; 435/320.100; 435/325.000;
 435/440.000; 435/455.000; 435/468.000; 536/023.400; 536/023.500
 IC [7]
 ICM: C12Q001-68
 ICS: C12N005-10; C12N001-21; C12N015-11; C12N015-63
 EXF 435/6; 435/69.7; 435/320.1; 435/325; 435/252.3; 435/254.11; 435/440;
 435/455; 435/468; 536/23.4; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 310 OF 391 USPATFULL on STN
 AN 2001:158079 USPATFULL
 TI Methods of screening for factors that disrupt neurotrophin conformation
 and reduce neurotrophin biological activity
 IN Riopelle, Richard J., Kingston, Canada
 Ross, Gregory M., Kingston, Canada
 Dory, Magdalena I., Rhisnes, Belgium
 Weaver, Donald F., Kingston, Canada
 Shamovsky, Igor L., Kingston, Canada
 PA Queen's University at Kingston, Kingston, Canada (non-U.S. corporation)
 PI US 6291247 B1 20010918
 AI US 1997-853910 19970509 (8)
 RLI Continuation-in-part of Ser. No. US 1994-241462, filed on 11 May 1994,
 now abandoned Continuation-in-part of Ser. No. US 1996-745608, filed on
 8 Nov 1996, now abandoned
 PRAI CA 1996-2190296 19961112
 DT Utility
 FS GRANTED
 LN.CNT 2529
 INCL INCLM: 436/002.000
 INCLS: 435/007.200; 436/173.000; 436/164.000; 436/161.000; 436/183.000;
 530/402.000; 530/412.000
 NCL NCLM: 436/002.000
 NCLS: 435/007.200; 436/161.000; 436/164.000; 436/173.000; 436/183.000;
 530/402.000; 530/412.000
 IC [7]
 ICM: G01N030-00
 ICS: G01N024-00; G01N033-00; G01N021-00
 EXF 436/501; 436/164; 436/173; 436/183; 436/161; 436/2; 530/412; 530/402;
 435/7.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 311 OF 391 USPATFULL on STN
 AN 2001:155460 USPATFULL
 TI Alzheimer's disease secretase, APP substrates therefor, and uses
 therefor
 IN Gurney, Mark E., Grand Rapids, MI, United States
 Bienkowski, Michael J., Portage, MI, United States
 Heinrichson, Robert L., Plainwell, MI, United States
 Barodi, Luis A., Stockholm, Sweden

PA Pharmacia & Upjohn Company (U.S. corporation)
PI US 2001021391 A1 20010913
AI US 2001-794743 A1 20010227 (9)
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS APPLICATION
LN.CNT 2962
INCL INCLM: 424/450.000
INCLS: 435/226.000
NCL NCLM: 424/450.000
NCLS: 435/226.000
IC [7]
ICM: C12N009-64
ICS: A61K009-127
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 312 OF 391 USPATFULL on STN
AN 2001:150648 USPATFULL
TI N-(ARYL/HETEROARYL) AMINO ACID DERIVATIVES, PHARMACEUTICAL COMPOSITIONS
COMPRISING SAME, AND METHODS FOR INHIBITING ***BETA*** -
AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH
COMPOUNDS
IN AUDIA, JAMES E., INDIANAPOLIS, IN, United States
FOLMER, BEVERLY K., NEWARK, DE, United States
JOHN, VARGHESE, SAN FRANCISCO, CA, United States
LATIMER, LEE H., OAKLAND, CA, United States
NISSEN, JEFFREY S., INDIANAPOLIS, IN, United States
PORTER, WARREN J., INDIANAPOLIS, IN, United States
THORSETT, EUGENE D., MOSS BEACH, CA, United States
WU, JING, SAN MATEO, CA, United States
PI US 2001020097 A1 20010906
US 6495693 B2 20021217
AI US 1999-280966 A1 19990330 (9)
RLI Continuation of Ser. No. US 1997-976191, filed on 21 Nov 1997, GRANTED,
Pat. No. US 6096782
DT Utility
FS APPLICATION
LN.CNT 3729
INCL INCLM: 546/162.000
INCLS: 514/313.000; 514/367.000; 514/400.000; 514/419.000; 514/616.000;
514/620.000; 514/506.000; 514/399.000; 560/039.000; 560/043.000;
560/041.000; 564/156.000; 564/157.000; 564/163.000; 564/168.000;
548/161.000; 548/178.000; 548/338.100; 548/495.000; 546/163.000
NCL NCLM: 546/162.000
NCLS: 546/163.000; 548/161.000; 548/178.000; 548/338.100; 548/495.000;
560/039.000; 560/041.000; 560/043.000; 564/156.000; 564/157.000;
564/163.000; 564/168.000
IC [7]
ICM: C07D277-82
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 313 OF 391 USPATFULL on STN
AN 2001:145073 USPATFULL
TI Alzheimer's disease secretase, APP substrates therefor, and uses
therefor
IN Gurney, Mark E., Grand Rapids, MI, United States
Bienkowski, Michael J., Portage, MI, United States
Heinrikson, Robert L., Plainwell, MI, United States
Parodi, Luis A., Stockholm, Sweden
Yan, Riqiang, Kalamazoo, MI, United States
PA Pharmacia & Upjohn Company (U.S. corporation)
PI US 2001018208 A1 20010830
AI US 2001-795847 A1 20010228 (9)
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS APPLICATION
LN.CNT 2995

INCLS: 435/320.100; 536/023.200
NCLM: 435/325.000
NCLS: 435/320.100; 536/023.200
IC [7]
ICM: C07H021-04
ICS: C12N005-10

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 314 OF 391 USPATFULL on STN
AN 2001:139291 USPATFULL
TI Novel protein and monoclonal ***antibody*** specific thereto
IN Seiki, Motoharu, Shinagawa, Japan
Sato, Hiroshi, Kanazawa, Japan
Shinagawa, Akira, Takaoka, Japan
PI US 2001016333 A1 20010823
AI US 2000-734002 A1 20001212 (9)
RLI Division of Ser. No. US 1998-41, filed on 20 Feb 1998, GRANTED, Pat. No.
US 6191255 A 371 of International Ser. No. WO 1996-JP1956, filed on 12
Jul 1996, UNKNOWN
PRAI JP 1995-200319 19950714
JP 1995-200320 19950714
DT Utility
FS APPLICATION
LN.CNT 2744
INCL INCLM: 435/069.100
INCLS: 530/324.000; 435/070.100; 435/320.100; 536/023.500
NCL NCLM: 435/069.100
NCLS: 530/324.000; 435/070.100; 435/320.100; 536/023.500
IC [7]
ICM: C12P021-02
ICS: C12P021-08; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 315 OF 391 USPATFULL on STN
AN 2001:139289 USPATFULL
TI Serine protease specific monoclonal ***antibodies*** and their use
IN Kominami, Katsuya, Osaka, Japan
Okui, Akira, Yamatokoriyama-shi, Japan
Mitsui, Shinichi, Kyoto-shi, Japan
Yamaguchi, Nozomi, Kyoto-shi, Japan
PI US 2001016331 A1 20010823
AI US 2000-741171 A1 20001221 (9)
RLI Continuation-in-part of Ser. No. WO 1999-JP3578, filed on 2 Jul 1999,
UNKNOWN
PRAI JP 1998-187506 19980702
DT Utility
FS APPLICATION
LN.CNT 1613
INCL INCLM: 435/007.950
NCL NCLM: 435/007.950
IC [7]
ICM: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 316 OF 391 USPATFULL on STN
AN 2001:139282 USPATFULL
TI Alzheimer's disease secretase, APP substrates therefor, and uses
therefor
IN Gurney, Mark E., Grand Rapids, MI, United States
Bienkowski, Michael J., Portage, MI, United States
Heinrikson, Robert L., Plainwell, MI, United States
Parodi, Luis A., Stockholm, Sweden
Yan, Riqiang, Kalamazoo, MI, United States
PA Pharmacia & Upjohn Company (U.S. corporation)
PI US 2001016324 A1 20010823
AI US 2001-794927 A1 20010227 (9)
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN
PRAI US 1999-155493P 19990923 (60)
US 1998-101594P 19980924 (60)
DT Utility
FS APPLICATION
LN.CNT 5574
INCL INCLM: 435/007.100

NCL NCLM: 435/007.100
NCLS: 435/006.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 317 OF 391 USPATFULL on STN
AN 2001:134006 USPATFULL
TI Assay for disease related conformation of a protein and isolating same
IN Prusiner, Stanley B., San Francisco, CA, United States
Safar, Jiri G., Concord, CA, United States
PI US 2001014455 A1 20010816
US 6406864 B2 20020618
AI US 2001-754443 A1 20010103 (9)
RLI Continuation of Ser. No. US 1998-169574, filed on 9 Oct 1998, GRANTED,
Pat. No. US 6214565
DT Utility
FS APPLICATION
LN.CNT 1618
INCL INCLM: 435/007.100
INCLS: 435/068.100
NCL NCLM: 435/007.100
NCLS: 424/009.100; 424/130.100; 424/147.100; 435/070.100; 435/071.100;
436/503.000; 436/518.000; 436/547.000; 530/387.100
IC [7]
ICM: G01N033-573

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 318 OF 391 USPATFULL on STN
AN 2001:128901 USPATFULL
TI 36 ***human*** secreted proteins
IN LaFleur, David W., Washington, DC, United States
Soppet, Daniel R., Centreville, VA, United States
Olsen, Henrik, Gaithersburg, MD, United States
Ruben, Steven M., Olney, MD, United States
Ni, Jian, Rockville, MD, United States
Rosen, Craig A., Laytonsville, MD, United States
Brewer, Laurie A., St. Paul, MN, United States
Duan, Roxanne, Bethesda, MD, United States
Ebner, Reinhard, Gaithersburg, MD, United States
PI US 2001012889 A1 20010809
AI US 2000-739907 A1 20001220 (9)
RLI Continuation of Ser. No. US 1999-348457, filed on 7 Jul 1999, ABANDONED
Continuation-in-part of Ser. No. WO 1999-US108, filed on 6 Jan 1999,
UNKNOWN
PRAI US 1998-70704P 19980107 (60)
US 1998-70658P 19980107 (60)
US 1998-70692P 19980107 (60)
US 1998-70657P 19980107 (60)
DT Utility
FS APPLICATION
LN.CNT 10341
INCL INCLM: 536/023.100
INCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;
435/069.100
NCL NCLM: 536/023.100
NCLS: 530/300.000; 530/387.100; 435/006.000; 435/007.100; 435/325.000;
435/069.100
IC [7]
ICM: C07H021-00
ICS: A61K038-00; C07K016-00; C12Q001-68; G01N033-53; C12P021-06;
C12N005-00; C12N005-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 319 OF 391 USPATFULL on STN
AN 2001:125737 USPATFULL
TI Protein fragment complementation assays for the detection of biological
or drug interactions
IN Michnick, Stephen William Watson, Westmount, Canada
Pelletier, Joelle Nina, Westmount, Canada
Remy, Ingrid, Montreal, Canada
PA Odyssey Pharmaceuticals Inc., San Ramon, CA, United States (U.S.
corporation)
PI US 6270964 B1 20010807

PRAI CA 1997-2196496 19970131
DT Utility
FS GRANTED
LN.CNT 2701
INCL INCLM: 435/006.000
INCLS: 435/069.700; 435/410.000; 435/243.000; 435/325.000; 530/350.000;
536/023.100; 536/023.400
NCL NCLM: 435/006.000
NCLS: 435/069.700; 435/243.000; 435/325.000; 435/410.000; 530/350.000;
536/023.100; 536/023.400
IC [7]
ICM: C12Q001-68
ICS: C12P021-02; C12N015-52
EXF 435/6; 435/4; 435/69.7; 435/410; 435/243; 435/325; 530/350; 536/23.4;
536/23.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 320 OF 391 USPATFULL on STN
AN 2001:117037 USPATFULL
TI Flourine-substituted biphenyl butyric acids and their derivatives as
inhibitors of matrix metalloproteinases
IN Purchase, Jr., Claude Forsey, Ann Arbor, MI, United States
Roth, Bruce David, Plymouth, MI, United States
Schielke, Gerald Paul, Ann Arbor, MI, United States
Walker, Lary Craswell, Ann Arbor, MI, United States
White, Andrew David, Pinckney, MI, United States
PA Warner-Lambert, Morris Plains, NJ, United States (U.S. corporation)
PI US 6265432 B1 20010724
AI US 2000-503235 20000211 (9)
RLI Division of Ser. No. US 1999-256714, filed on 24 Feb 1999, now patented,
Pat. No. US 6169103
PRAI US 1998-76633P 19980303 (60)
DT Utility
FS GRANTED
LN.CNT 2226
INCL INCLM: 514/417.000
INCLS: 514/532.000; 514/522.000; 514/553.000; 514/561.000; 548/477.000;
560/027.000; 560/035.000; 562/026.000; 562/426.000; 562/440.000
NCL NCLM: 514/417.000
NCLS: 514/522.000; 514/532.000; 514/553.000; 514/561.000; 548/477.000;
560/027.000; 560/035.000; 562/026.000; 562/426.000; 562/440.000
IC [7]
ICM: A61K031-40
ICS: A61K031-275; C07D209-48; C07C229-08; C07C249-10
EXF 548/477; 514/389; 514/522; 514/561; 514/553; 514/532; 514/417; 562/435;
558/414

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 321 OF 391 USPATFULL on STN
AN 2001:112566 USPATFULL
TI N-(aryl/heteroaryl/alkylacetyl) amino acid amides, pharmaceutical
compositions comprising same, and methods for inhibiting . ***beta***
.- ***amyloid*** peptide release and/or its synthesis by use of such
compounds
IN Wu, Jing, San Mateo, CA, United States
Tung, Jay S., Belmont, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Mabry, Thomas E., Indianapolis, IN, United States
Latimer, Lee H., Oakland, CA, United States
Eid, Clark N., Cheshire, CT, United States
Audia, James E., Indianapolis, IN, United States
PA Elan Pharmaceuticals, Inc., S. San Francisco, CA, United States (U.S.
corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6262302 B1 20010717
AI US 1999-398211 19990917 (9)
RLI Continuation of Ser. No. US 1997-976295, filed on 21 Nov 1997, now
patented, Pat. No. US 6153652
PRAI US 1996-98551P 19961122 (60)
US 1997-113671P 19970228 (60)
DT Utility
FS GRANTED
LN.CNT 4050
INCL INCLM: 564/152.000
INCLS: 564/155.000; 564/158.000; 564/168.000; 560/020.000; 560/041.000

NCL NCLM: 548/475.000; 546/309.000; 514/349.000; 514/352.000; 514/357.000;
514/417.000; 514/470.000; 514/535.000; 514/539.000; 514/619.000
NCLS: 564/152.000
546/309.000; 548/471.000; 548/475.000; 549/303.000; 549/304.000;
560/039.000; 560/041.000; 560/042.000; 560/043.000; 564/155.000;
564/158.000; 564/168.000
IC [7]
ICM: C07C229-38
ICS: C07C233-64; C07D307-00; C07D211-00; C07D213-00
EXF 560/43; 560/45; 560/47; 560/39; 560/41; 560/42; 514/349; 514/352;
514/357; 514/417; 514/470; 514/535; 514/539; 514/619; 564/152; 564/168;
564/155; 564/158; 549/303; 549/304; 548/471; 548/475; 546/309
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 322 OF 391 USPATFULL on STN
AN 2001:107472 USPATFULL
TI Smilagenin and its use
IN Xia, Zongqin, Shanghai, China
Rubin, Ian, Castle Donington, United Kingdom
Whittle, Brian, Hornsea, United Kingdom
Gunning, Philip, Saffron Walden, United Kingdom
Hu, Yaer, Shanghai, China
Brostoff, Jonathan, London, United Kingdom
Wang, Weijun, Huntingdon, United Kingdom
PA Phytopharm PLC, Cambridgeshire, United Kingdom (non-U.S. corporation)
PI US 6258386 B1 20010710
AI US 1999-362328 19990728 (9)
PRAI GB 1999-5275 19990308
DT Utility
FS GRANTED
LN.CNT 550
INCL INCLM: 424/725.000
NCL NCLM: 424/725.000
IC [7]
ICM: A61K035-78
EXF 424/195.1; 424/725
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 323 OF 391 USPATFULL on STN
AN 2001:86665 USPATFULL
TI Transgenic rodent comprising APP-Swedish
IN McLonogue, Lisa C., San Francisco, CA, United States
Zhao, Jun, La Jolla, CA, United States
Sinha, Sukanto, San Francisco, CA, United States
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 6245964 B1 20010612
AI US 1998-209647 19981210 (9)
RLI Continuation of Ser. No. US 1997-785943, filed on 22 Jan 1997, now
patented, Pat. No. US 5850003 Continuation of Ser. No. US 1993-148211,
filed on 1 Nov 1993, now patented, Pat. No. US 5612486
Continuation-in-part of Ser. No. US 1993-143697, filed on 27 Oct 1993,
now patented, Pat. No. US 5604102
DT Utility
FS GRANTED
LN.CNT 2117
INCL INCLM: 800/012.000
INCLS: 800/003.000; 800/014.000; 800/018.000; 800/022.000
NCL NCLM: 800/012.000
NCLS: 800/003.000; 800/014.000; 800/018.000; 800/022.000
IC [7]
ICM: A01K067-00
ICS: A01K067-027; G01N033-00; C12N015-00
EXF 800/3; 800/12; 800/14; 800/18; 800/22; 424/9.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 324 OF 391 USPATFULL on STN
AN 2001:71330 USPATFULL
TI Recombinant helix modification recognition proteins and uses thereof
IN Kmiec, Eric B., Malvern, PA, United States
Holloman, William K., Yorktown Heights, NY, United States
Gerhold, David, Lansdale, PA, United States
PA Thomas Jefferson University, Philadelphia, PA, United States (U.S.
corporation)
PI US 6232095 B1 20010515

DT Utility
FS Granted
LN.CNT 1621
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 435/069.700; 435/252.300; 536/023.400;
536/023.740; 530/350.000; 530/371.000
NCL NCLM: 435/069.100
NCLS: 435/069.700; 435/252.300; 435/320.100; 435/325.000; 530/350.000;
530/371.000; 536/023.400; 536/023.740
IC [7]
ICM: C12N015-00
ICS: C12N015-63; C12N001-20; C12N015-85; C07H021-04; C07K014-00
EXF 435/6; 435/252.3; 435/69.1; 435/69.7; 435/325; 435/320.1; 530/350;
530/371; 530/387.1; 536/23.1; 536/23.4; 536/23.74; 424/130.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 325 OF 391 USPATFULL on STN
AN 2001:59689 USPATFULL
TI Method and composition for modulating amyloidosis
IN Reiner, Peter B., Vancouver, Canada
Connop, Bruce P., Vancouver, Canada
PA The University of British Columbia, Vancouver, British Columbia, United
States (non-U.S. corporation)
PI US 6221667 B1 20010424
AI US 1999-383317 19990825 (9)
RLI Continuation of Ser. No. US 1998-80141, filed on 15 May 1998, now
patented, Pat. No. US 5981168
DT Utility
FS Granted
LN.CNT 982
INCL INCLM: 435/975.000
INCLS: 435/004.000; 514/741.000
NCL NCLM: 514/248.000
NCLS: 435/004.000; 514/231.500; 514/255.010; 514/255.060; 514/313.000;
514/352.000; 514/370.000; 514/383.000; 514/415.000; 514/447.000;
514/741.000
IC [7]
ICM: G01N033-53
ICS: C12Q001-00
EXF 435/975; 435/4; 514/741
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 326 OF 391 USPATFULL on STN
AN 2001:56082 USPATFULL
TI Amyloid .beta. protein (globular assembly and uses thereof)
IN Krafft, Grant A., Glenview, IL, United States
Klein, William L., Winnetka, IL, United States
Chromy, Brett A., Evanston, IL, United States
Lambert, Mary P., Glenview, IL, United States
Finch, Caleb E., Altadena, CA, United States
Morgan, Todd, Manhattan Beach, CA, United States
Wals, Pat, Los Angeles, CA, United States
Rozovsky, Irina, Pasadena, CA, United States
Barlow, Ann, Evanston, IL, United States
PA Northwestern University, Evanston, IL, United States (U.S. corporation)
University of Southern California, Los Angeles, CA, United States (U.S.
corporation)
PI US 6218506 B1 20010417
AI US 1997-796089 19970205 (8)
DT Utility
FS Granted
LN.CNT 941
INCL INCLM: 530/324.000
INCLS: 530/350.000; 514/012.000; 436/086.000
NCL NCLM: 530/324.000
NCLS: 436/086.000; 530/350.000
IC [7]
ICM: A61K038-16
ICS: C07K014-435
EXF 530/324; 530/350; 514/12; 436/86
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 327 OF 391 USPATFULL on STN
AN 2001:52086 USPATFULL
TI Lactacystin analogs

Jamison, Timothy F., Cambridge, MA, United States
Schreiber, Stuart L., Boston, MA, United States
Standaert, Robert F., Arlington, MA, United States
PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)

PI US 6214862 B1 20010410

AI US 1997-937228 19970911 (8)

RLI Continuation of Ser. No. US 1995-421583, filed on 12 Apr 1995

DT Utility

FS Granted

LN.CNT 2249

INCL INCLM: 514/423.000

INCLS: 514/369.000; 514/370.000; 514/371.000; 514/376.000; 514/377.000;
514/365.000; 514/445.000; 514/446.000; 514/448.000; 514/439.000;
514/441.000; 514/440.000; 514/473.000; 514/452.000

NCL NCLM: 514/423.000

NCLS: 514/365.000; 514/369.000; 514/370.000; 514/371.000; 514/376.000;
514/377.000; 514/439.000; 514/440.000; 514/441.000; 514/445.000;
514/446.000; 514/448.000; 514/452.000; 514/473.000

IC [7]

ICM: A01N043-36

ICS: A01N043-78; A01N043-76; A01N043-06

EXF 514/423; 514/369; 514/370; 514/371; 514/376; 514/377; 514/365; 514/445;
514/446; 514/448; 514/439; 514/441; 514/440; 514/473; 514/452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 328 OF 391 USPATFULL on STN

AN 2001:51789 USPATFULL

TI Assay for disease related conformation of a protein and isolating same

IN Prusiner, Stanley B., San Francisco, CA, United States

Safar, Jiri G., Concord, CA, United States

PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)

PI US 6214565 B1 20010410

AI US 1998-169574 19981009 (9)

DT Utility

FS Granted

LN.CNT 1675

INCL INCLM: 435/007.100

INCLS: 435/070.100; 435/071.100; 424/009.100; 424/130.100; 424/147.100;
436/503.000; 436/518.000; 436/547.000; 530/387.100

NCL NCLM: 435/007.100

NCLS: 424/009.100; 424/130.100; 424/147.100; 435/070.100; 435/071.100;
436/503.000; 436/518.000; 436/547.000; 530/387.100

IC [7]

ICM: G01N033-53

ICS: G01N033-567; C12P021-04; A61K049-00; C07K016-00

EXF 424/9.1; 424/130.1; 424/147.1; 435/7.1; 435/70.1; 435/71.1; 530/387.1;
436/518; 436/503; 436/547

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 329 OF 391 USPATFULL on STN

AN 2001:48108 USPATFULL

TI Compounds for inhibiting . ***beta*** .- ***amyloid*** peptide
release and/or its synthesis

IN Wu, Jing, San Mateo, CA, United States

Tung, Jay S., Belmont, CA, United States

Thorsett, Eugene D., Moss Beach, CA, United States

Reel, Jon K., Carmel, IN, United States

Porter, Warren J., Indianapolis, IN, United States

Nissen, Jeffrey S., Indianapolis, IN, United States

Mabry, Thomas E., Indianapolis, IN, United States

Latimer, Lee H., Oakland, CA, United States

John, Varghese, San Francisco, CA, United States

Folmer, Beverly K., Newark, DE, United States

Droste, James J., Indianapolis, IN, United States

Britton, Thomas C., Carmel, IN, United States

Audia, James E., Indianapolis, IN, United States

PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
corporation)

Eli Lilly & Company, Indianapolis, IL, United States (U.S. corporation)

PI US 6211235 B1 20010403

AI US 1998-164448 19980930 (9)

RLI Continuation-in-part of Ser. No. US 1997-976289, filed on 21 Nov 1997

PRAT US 1996-108166B 19961122 (60)

DT US 1997-98558P 19970228 (60)
FS Utility
LN.CNT Granted
INCL 14056
INCLM: 514/534.000
INCLS: 574/619.000; 560/041.000; 560/040.000; 564/163.000
NCL NCLM: 514/534.000
NCLS: 514/019.000; 514/619.000; 544/162.000; 546/233.000; 546/336.000;
548/479.000; 548/496.000; 560/040.000; 560/041.000; 564/163.000
IC [7]
ICM: A01N037-12
ICS: C07C229-00; C07C233-00
EXF 514/534; 514/619; 564/163; 560/40; 560/41
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 330 OF 391 USPATFULL on STN
AN 2001:47793 USPATFULL
TI Genetic sequences and proteins related to alzheimer's disease
IN St. George-Hyslop, Peter H., Toronto, Canada
Rommens, Johanna M., Toronto, Canada
Fraser, Paul E., Toronto, Canada
PA HSC Research and Development Limited Partnership, Toronto, Canada
(non-U.S. corporation)
PI US 6210919 B1 20010403
AI US 1995-496841 19950628 (8)
RLI Continuation-in-part of Ser. No. US 1995-431048, filed on 28 Apr 1995
DT Utility
FS Granted
LN.CNT 2533
INCL INCLM: 435/069.100
INCLS: 536/023.500; 536/023.100; 435/320.100; 435/325.000; 435/455.000;
530/350.000
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 435/455.000; 530/350.000; 536/023.100;
536/023.500
IC [7]
ICM: C12N015-63
ICS: C07H021-04; C07K014-47
EXF 536/23.5; 435/6; 435/69.1; 435/172.1; 435/172.3; 435/325; 435/375;
435/320.1; 435/455; 800/2; 800/DIG.1; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 331 OF 391 USPATFULL on STN
AN 2001:44268 USPATFULL
TI Compounds for inhibiting . ***beta*** .- ***amyloid*** peptide
release and/or its synthesis
IN Audia, James E., Indianapolis, IN, United States
Britton, Thomas C., Carmel, IN, United States
Droste, James J., Indianapolis, IN, United States
Folmer, Beverly K., Newark, DE, United States
Huffman, George W., Carmel, IN, United States
John, Varghese, San Francisco, CA, United States
Latimer, Lee H., Oakland, CA, United States
Mabry, Thomas E., Indianapolis, IN, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Porter, Warren J., Indianapolis, IN, United States
Reel, Jon K., Carmel, IN, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Tung, Jay S., Belmont, CA, United States
Wu, Jing, San Mateo, CA, United States
PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6207710 B1 20010327
AI US 1998-164385 19980930 (9)
RLI Continuation-in-part of Ser. No. US 1997-976289, filed on 21 Nov 1997
PRAI US 1996-108166P 19961122 (60)
US 1997-64859P 19970228 (60)
US 1997-108161P 19970228 (60)
US 1997-98558P 19970228 (60)
DT Utility
FS Granted
LN.CNT 12026
INCL INCLM: 514/551.000
INCLS: 514/534.000; 514/563.000; 560/037.000; 560/038.000; 560/040.000

NCL NCLM: 514/551.000
NCLS: 514/534.000; 514/563.000; 530/331.000; 560/037.000; 560/038.000;
560/040.000; 560/041.000; 564/123.000; 564/155.000

IC [7]

ICM: A01N037-12

ICS: C07C229-00; C07C233-00

EXF 514/551; 514/534; 514/563; 560/37; 560/38; 560/40; 560/41; 564/123;
564/155

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 332 OF 391 USPATFULL on STN

AN 2001:29306 USPATFULL

TI Methods for determining risk of developing alzheimer's disease by
detecting mutations in the presenilin 1 (PS-1) gene

IN St. George-Hyslop, Peter H., Toronto, Canada

Rommens, Johanna M., Toronto, Canada

Fraser, Paul E., Toronto, Canada

PA The Hospital for Sick Children, HSC Research and Development Limited
Partnership, Canada (non-U.S. corporation)

The Governing Council of the University of Toronto, Canada (non-U.S.
corporation)

PI US 6194153 B1 20010227

AI US 1998-127480 19980731 (9)

RLI Division of Ser. No. US 1996-592541, filed on 26 Jan 1996, now patented,
Pat. No. US 5986054 Continuation-in-part of Ser. No. US 1995-509359,
filed on 31 Jul 1995 Continuation-in-part of Ser. No. US 1995-496841,
filed on 28 Jun 1995 Continuation-in-part of Ser. No. US 1995-431048,
filed on 28 Apr 1995

DT Utility

FS Granted

LN.CNT 4255

INCL INCLM: 435/006.000

INCLS: 435/007.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330

NCL NCLM: 435/006.000

NCLS: 435/007.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330

IC [7]

ICM: C12Q001-68

ICS: C12P019-34; C07H021-04

EXF 435/6; 435/91.2; 435/7.1; 536/21.31; 536/24.33; 536/23.5

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 333 OF 391 USPATFULL on STN

AN 2001:26018 USPATFULL

TI Protein and monoclonal ***antibody*** specific thereto

IN Seiki, Motoharu, Shinagawa, Japan

Sato, Hiroshi, Kanazawa, Japan

Shinagawa, Akira, Takaoka, Japan

PA Fuji Yakuhin Kogyo Kabushiki Kaisha, Toyama, Japan (non-U.S.
corporation)

PI US 6191255 B1 20010220

WO 9704080 19970206

AI US 1998-41 19980220 (9)

WO 1996-JP1956

19960712

19980220 PCT 371 date

19980220 PCT 102(e) date

PRAI JP 1995-200319 19950714

JP 1995-200320 19950714

DT Utility

FS Granted

LN.CNT 2653

INCL INCLM: 530/324.000

INCLS: 530/400.000; 536/023.200; 536/023.500; 536/024.310; 435/069.100;

435/320.100; 435/325.000

NCL NCLM: 530/324.000

NCLS: 435/069.100; 435/320.100; 435/325.000; 530/400.000; 536/023.200;

536/023.500; 536/024.310

IC [7]

ICM: A61K038-43

ICS: C07K001-00; C07H021-04

EXF 530/324; 530/400; 536/23.5; 536/23.2; 536/24.31; 435/69.1; 435/320.1;

435/325

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 334 OF 391 USPATFULL on STN

AN 2001:25931 USPATFULL

peptide release and/or its synthesis

IN Audia, James E., Indianapolis, IN, United States
 Britton, Thomas C., Carmel, IN, United States
 Droste, James J., Indianapolis, IN, United States
 Folmer, Beverly K., Newark, DE, United States
 Huffman, George W., Carmel, IN, United States
 Varghese, John, San Francisco, CA, United States
 Latimer, Lee H., Oakland, CA, United States
 Mabry, Thomas E., Indianapolis, IN, United States
 Nissen, Jeffrey S., Indianapolis, IN, United States
 Porter, Warren J., Indianapolis, IN, United States
 Reel, Jon K., Carmel, IN, United States
 Thorsett, Eugene D., Moss Beach, CA, United States
 Tung, Jay S., Belmont, CA, United States
 Wu, Jing, San Mateo, CA, United States
 Eid, Clark Norman, Cheshire, CT, United States
 Scott, William Leonard, Indianapolis, IN, United States

PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S. corporation)
 Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)

PI US 6191166 B1 20010220
 AI US 1997-976289 19971121 (8)
 PRAI US 1996-108166P 19961122 (60)
 US 1997-64859P 19970228 (60)
 US 1997-108161P 19970228 (60)
 US 1997-698556P 19970228 (60)

DT Utility
 FS Granted
 LN.CNT 12827
 INCL INCLM: 514/534.000
 INCLS: 514/535.000; 514/616.000; 514/619.000
 NCL NCLM: 514/534.000
 NCLS: 514/535.000; 514/616.000; 514/619.000
 IC [7]
 ICM: A01N037-12
 EXF 574/534; 574/535; 574/616; 574/619
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 335 OF 391 USPATFULL on STN
 AN 2001:14622 USPATFULL
 TI Peptide nucleic acid conjugates
 IN Wickstrom, Eric, Philadelphia, PA, United States
 Basu, Soumitra, New Haven, CT, United States

PA Thomas Jefferson University, Philadelphia, PA, United States (U.S. corporation)

PI US 6180767 B1 20010130
 AI US 1997-779072 19970107 (8)
 PRAI US 1996-9747P 19960111 (60)

DT Utility
 FS Granted
 LN.CNT 1510
 INCL INCLM: 536/022.100
 INCLS: 435/006.000; 536/023.100; 536/025.300; 536/025.310; 536/025.320;
 536/025.330; 536/025.340
 NCL NCLM: 536/022.100
 NCLS: 435/006.000; 536/023.100; 536/025.300; 536/025.310; 536/025.320;
 536/025.330; 536/025.340
 IC [7]
 ICM: C07H019-00
 ICS: C07H021-02; C07H021-00; C07H021-04
 EXF 536/22.1; 536/23.1; 536/25.3; 536/25.31; 536/25.32; 536/25.33;
 536/25.34; 435/6
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 336 OF 391 USPATFULL on STN
 AN 2001:14261 USPATFULL
 TI Antisense inhibition of tumor necrosis factor alpha converting enzyme (TACE) expression
 IN Flournoy, Shin cheng, San Diego, CA, United States
 Bennett, C. Frank, Carlsbad, CA, United States

PA Isis Pharmaceuticals Inc., Carlsbad, CA, United States (U.S. corporation)

PI US 6180403 B1 20010130
 AI US 1999-429093 19991028 (9)
 DT Utility

LN.CNT 1609
INCL INCLM: 435/375.000
INCLS: 435/366.000; 435/006.000; 435/091.100; 435/325.000; 536/023.100;
536/024.310; 536/024.330; 536/024.500
NCL NCLM: 435/375.000
NCLS: 435/006.000; 435/091.100; 435/325.000; 435/366.000; 536/023.100;
536/024.310; 536/024.330; 536/024.500
IC [7]
ICM: C07H021-04
ICS: C12N015-00; C12Q001-68
EXF 435/6; 435/91.1; 435/91.3; 435/375; 435/325; 536/23.1; 536/23.2;
536/24.5; 536/24.3; 536/24.33; 536/24.31; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 337 OF 391 USPATFULL on STN
AN 2001:8029 USPATFULL
TI Neurotrophic peptides of activity dependent neurotrophic factor
IN Brenneman, Douglas E., Damascus, MD, United States
PA Ramot University Authority for Applied Research and Industrial
Development, Ltd., Tel Aviv, Israel (non-U.S. corporation)
The United States of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
PI US 6174862 B1 20010116
AI US 1994-324297 19941017 (8)
RLI Continuation-in-part of Ser. No. US 1992-871973, filed on 22 Apr 1992,
now patented, Pat. No. US 5767240 Continuation-in-part of Ser. No. US
1991-688087, filed on 22 Apr 1991, now abandoned
DT Utility
FS Granted
LN.CNT 1591
INCL INCLM: 514/015.000
INCLS: 514/012.000; 514/013.000; 514/014.000; 530/326.000; 530/327.000;
530/328.000; 530/324.000
NCL NCLM: 514/015.000
NCLS: 514/012.000; 514/013.000; 514/014.000; 530/324.000; 530/326.000;
530/327.000; 530/328.000
IC [7]
ICM: A61K038-08
ICS: A61K038-10; A61K038-17
EXF 514/12-15; 530/324; 530/326-328
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 338 OF 391 USPATFULL on STN
AN 2001:4717 USPATFULL
TI Treatments for neurotoxicity in Alzheimer's disease caused by .
beta . ***amyloid*** peptides
IN Ingram, Vernon M., Cambridge, MA, United States
Blanchard, Barbara J., Cambridge, MA, United States
PA Massachusetts Institute of Technology, Cambridge, MA, United States
(U.S. corporation)
PI US 6172043 B1 20010109
AI US 1998-5215 19980109 (9)
RLI Continuation-in-part of Ser. No. US 1997-960188, filed on 29 Oct 1997,
now abandoned
PRAI US 1997-35847P 19970110 (60)
DT Patent
FS Granted
LN.CNT 1822
INCL INCLM: 514/017.000
INCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 530/325.000;
530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000
NCL NCLM: 514/017.000
NCLS: 514/013.000; 514/014.000; 514/015.000; 514/016.000; 530/325.000;
530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000
IC [7]
ICM: A61K038-04
ICS: C07K007-00
EXF 530/325-330; 514/13-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 339 OF 391 USPATFULL on STN
AN 2001:1790 USPATFULL
TI Fluorine-substituted biphenyl butyric acids and their derivatives as
inhibitors of matrix metalloproteinases
IN Purchase, Jr. Claude Forsey, Ann Arbor, MI, United States

Schielke, Gerald Paul, Ann Arbor, MI, United States
 Walker, Lary Craswell, Ann Arbor, MI, United States
 White, Andrew David, Pinckney, MI, United States
 PA Warner-Lambert, Morris Plains, NJ, United States (U.S. corporation)
 PI US 6169103 B1 20010102
 AI US 1999-256714 19990224 (9)
 PRAI US 1998-76633P 19980303 (60)
 DT Utility
 FS Granted
 LN.CNT 2031
 INCL INCLM: 514/389.000
 INCLS: 514/389.000; 514/522.000; 514/419.000; 514/567.000; 558/414.000;
 548/494.000; 548/319.500; 548/477.000; 560/035.000; 562/492.000
 NCL NCLM: 514/389.000
 NCLS: 514/419.000; 514/522.000; 514/567.000; 548/319.500; 548/477.000;
 548/494.000; 558/414.000; 560/035.000; 562/492.000
 IC [7]
 ICM: A61K031-40
 ICS: A61K031-275; C07D209-48
 EXF 558/414; 548/319.5; 548/494; 548/477; 548/479; 562/440; 560/35; 514/425;
 514/522; 514/555; 514/389; 514/419; 514/417; 514/567
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 340 OF 391 USPATFULL on STN
 AN 2000:161048 USPATFULL
 TI N-(aryl/heteroaryl/alkylacetyl) amino acid amides, pharmaceutical
 compositions comprising same, and methods for inhibiting . ***beta***
 .- ***amyloid*** peptide release and/or its synthesis by use of such
 compounds
 IN Wu, Jing, San Mateo, CA, United States
 Tung, Jay S., Belmont, CA, United States
 Nissen, Jeffrey S., Indianapolis, IN, United States
 Mabry, Thomas E., Indianapolis, IN, United States
 Latimer, Lee H., Oakland, CA, United States
 Eid, Clark N., Cheshire, CT, United States
 Audia, James E., Indianapolis, IN, United States
 PA Elan Pharmaceuticals, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
 PI US 6153652 20001128
 AI US 1997-976295 19971121 (8)
 PRAI US 1996-1551P 19961122 (60)
 US 1997-113671P 19970228 (60)
 DT Utility
 FS Granted
 LN.CNT 3652
 INCL INCLM: 514/619.000
 INCLS: 514/349.000; 514/352.000; 514/357.000; 514/417.000; 514/470.000;
 514/535.000; 514/539.000; 546/309.000; 548/471.000; 548/475.000;
 549/303.000; 549/304.000; 560/039.000; 560/041.000; 560/042.000;
 560/043.000; 564/152.000; 564/155.000; 564/158.000; 564/168.000
 NCL NCLM: 514/619.000
 NCLS: 514/349.000; 514/352.000; 514/357.000; 514/417.000; 514/470.000;
 514/535.000; 514/539.000; 546/309.000; 548/471.000; 548/475.000;
 549/303.000; 549/304.000; 560/039.000; 560/041.000; 560/042.000;
 560/043.000; 564/152.000; 564/155.000; 564/158.000; 564/168.000
 IC [7]
 ICM: A01N037-18
 ICS: A01N037-12; A01N037-44; A61K031-165
 EXF 564/155; 564/158; 564/152; 564/168; 546/309; 548/471; 548/475; 549/303;
 549/304; 560/39; 560/41; 560/42; 560/43; 514/349; 514/352; 514/357;
 514/417; 514/470; 514/535; 514/539; 514/619
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 341 OF 391 USPATFULL on STN
 AN 2000:160799 USPATFULL
 TI Death domain containing receptors
 IN Yu, Guo-Liang, Darnestown, MD, United States
 Ni, Jian, Rockville, MD, United States
 Gentz, Reiner L., Silver Spring, MD, United States
 Dillon, Patrick J., Gaithersburg, MD, United States
 PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S.
 corporation)
 PI US 6153402 20001128
 AI US 1997-815460 19970311 (60)

US 1996-28711P 19961017 (60)
US 1997-37341P 19970206 (60)
DT Utility
FS Granted
LN.CNT 3364
INCL INCLM: 435/069.100
INCLS: 435/252.300; 435/320.100; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/252.300; 435/320.100; 536/023.500
IC [7]
ICM: C12N015-12
EXF 435/69.1; 435/325; 435/252.3; 536/23.5; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 342 OF 391 USPATFULL on STN
AN 2000:153855 USPATFULL
TI Lactacystin analogs
IN Fenteany, Gabriel, Cambridge, MA, United States
Jamison, Timothy F., Cambridge, MA, United States
Schreiber, Stuart L., Boston, MA, United States
Standaert, Robert F., Arlington, MA, United States
PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)
PI US 6147223 20001114
AI US 1995-468408 19950606 (8)
RLI Division of Ser. No. US 1995-421583, filed on 12 Apr 1995
DT Utility
FS Granted
LN.CNT 2354
INCL INCLM: 548/453.000
NCL NCLM: 548/453.000
IC [7]
ICM: C07D491-044
EXF 548/453; 540/203
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 343 OF 391 USPATFULL on STN
AN 2000:121621 USPATFULL
TI Presenilin-2 and mutations thereof
IN St. George-Hyslop, Peter H., Toronto, Canada
Rommens, Johanna M., Toronto, Canada
Fraser, Paul E., Toronto, Canada
PA The Governing Council of the University of Toronto, Toronto, Canada
(non-U.S. corporation)
HSC Research and Development Limited Partnership, Toronto, Canada
(non-U.S. corporation)
PI US 6117978 20000912
AI US 1998-124698 19980729 (9)
RLI Division of Ser. No. US 1997-967101, filed on 10 Nov 1997, now patented,
Pat. No. US 5840540 which is a division of Ser. No. US 1996-592541,
filed on 26 Jan 1996, now patented, Pat. No. US 5986054 which is a
continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995
which is a continuation-in-part of Ser. No. US 1995-496841, filed on 28
Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,
filed on 28 Apr 1995
DT Utility
FS Granted
LN.CNT 7847
INCL INCLM: 530/350.000
NCL NCLM: 530/350.000
IC [7]
ICM: C07K014-00
EXF 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 344 OF 391 USPATFULL on STN
AN 2000:121544 USPATFULL
TI N-(aryl/heteroarylacetyl) amino acid esters, pharmaceutical compositions
comprising same, and methods for use
IN Wu, Jing, San Mateo, CA, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Mabry, Thomas E., Indianapolis, IN, United States
Latimer, Lee H., Oakland, CA, United States
John Varghese, San Francisco, CA, United States

PA Audia, James E., Indianapolis, IN, United States
Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6117901 20000912
AI US 1997-976179 19971121 (8)
PRAI US 1996-98551P 19961122 (60)
US 1996-19790P 19960614 (60)
DT Utility
FS Granted
LN.CNT 3321
INCL INCLM: 514/513.000
NCL NCLM: 514/513.000
IC [7]
ICM: A61K031-16
EXF 514/513
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 345 OF 391 USPATFULL on STN
AN 2000:98466 USPATFULL
TI N-(aryl/heteroaryl) amino acid derivatives pharmaceutical compositions comprising same and methods for inhibiting . ***beta*** .-
amyloid peptide release and/or its synthesis by use of such compounds
IN Audia, James E., Indianapolis, IN, United States
Folmer, Beverly K., Newark, DE, United States
John, Varghese, San Francisco, CA, United States
Latimer, Lee H., Oakland, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Porter, Warren J., Indianapolis, IN, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Wu, Jing, San Mateo, CA, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S. corporation)
Eli Lilly & Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6096782 20000801
AI US 1997-976191 19971121 (8)
PRAI US 1996-77175P 19961122 (60)
DT Utility
FS Granted
LN.CNT 3343
INCL INCLM: 514/506.000
INCLS: 514/399.000; 548/335.500; 560/041.000
NCL NCLM: 514/506.000
NCLS: 514/399.000; 548/335.500; 560/041.000
IC [7]
ICM: A01N037-20
ICS: A01N043-50; C07C229-24; C07D233-61
EXF 560/41; 514/506; 514/399; 548/335.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 346 OF 391 USPATFULL on STN
AN 2000:94696 USPATFULL
TI Amyloid precursor protein protease
IN Dixon, Eric P, Apex, NC, United States
Johnstone, Edward M., Indianapolis, IN, United States
Little, Sheila P., Indianapolis, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)
PI US 6093397 20000725
WO 9631122 19961010
AI US 1997-930188 19971002 (8)
WO 1996-US4294 19960402
19971002 PCT 371 date
19971002 PCT 102(e) date
RLI Continuation of Ser. No. US 1995-416257, filed on 4 Apr 1995, now abandoned
DT Utility
FS Granted
LN.CNT 1530
INCL INCLM: 424/094.640
INCLS: 424/078.020; 424/094.620; 435/069.100; 435/212.000; 435/213.000;
435/219.000; 435/226.000; 435/252.300; 435/320.100
NCL NCLM: 424/094.640
NCLS: 424/078.020; 424/094.620; 435/069.100; 435/212.000; 435/213.000; 435/219.000; 435/226.000; 435/252.300; 435/320.100

IC [7]
ICM: A61K038-48
ICS: C12N009-48; C12N001-20; C07H021-04
EXF 435/212; 435/213; 435/226; 435/219; 435/69.1; 435/252.3; 435/320.1;
435/252.33; 536/23.2; 536/23.5; 424/78.02; 424/94.62; 424/94.64; 935/14;
935/29; 935/32; 935/70; 935/73
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 347 OF 391 USPATFULL on STN
AN 2000:91941 USPATFULL
TI Serine proteases, their activity and their synthetic inhibitors
IN Augustyns, Koen Jan Ludovicus, Minderhout, Belgium
Vanhoof, Greta Constantia, Mortsel, Belgium
Borloo, Marianne Jean Frieda, Deurne, Belgium
De Meester, Ingrid Anna Jozef, Wilrijk, Belgium
Goossens, Filip Jozef Anny, Lokeren, Belgium
Haemers, Achiel Jean-Marie, Gent, Belgium
Hendriks, Dirk Frans, Aartselaar, Belgium
Lambeir, Anne-Marie Virginie Renee, Heverlee, Belgium
Scharpe, Simon Lodewijk, Wieze, Belgium
PA FondaTech Benelux N.V., Belgium (non-U.S. corporation)
PI US 6090786 20000718
WO 9534538 19951221
AI US 1997-750484 19970219 (8)
WO 1995-EP2255 19950609
19970219 PCT 371 date
19970219 PCT 102(e) date

PRAI EP 1994-201668 19940610
EP 1994-203707 19941220
DT Utility
FS Granted
LN.CNT 1511
INCL INCLM: 514/019.000
INCLS: 514/020.000; 514/002.000; 530/330.000; 540/130.000
NCL NCLM: 514/019.000
NCLS: 514/002.000; 514/020.000; 530/330.000; 540/130.000
IC [7]
ICM: A61K038-05
ICS: C07K005-078
EXF 514/19; 514/20; 514/2; 530/330; 540/130
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 348 OF 391 USPATFULL on STN
AN 2000:84054 USPATFULL
TI Cloning and expression of .beta.APP-C100 receptor (C100-R)
IN Manly, Susan P., Wallingford, CT, United States
Kozlowski, Michael R., Palo Alto, CA, United States
Neve, Rachael L., Belmont, MA, United States
PA Bristol-Myers Squibb Company, New York, NY, United States (U.S.
corporation)
McLean Hospital Corporation, Belmont, MA, United States (U.S.
corporation)
PI US 6083713 20000704
AI US 1995-559397 19951115 (8)
RLI Continuation-in-part of Ser. No. US 1993-114555, filed on 30 Aug 1993,
now patented, Pat. No. US 5854392 And a continuation-in-part of Ser. No.
US 1992-938184, filed on 31 Aug 1992, now abandoned
DT Utility
FS Granted
LN.CNT 3220
INCL INCLM: 435/069.100
INCLS: 435/069.700; 435/325.000; 435/252.300; 435/320.100; 536/023.100;
536/023.400; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/069.700; 435/252.300; 435/320.100; 435/325.000; 536/023.100;
536/023.400; 536/023.500
IC [7]
ICM: C12N015-12
ICS: C12N015-70; C12N015-85
EXF 536/23.1; 536/23.4; 536/23.5; 435/69.1; 435/320.1; 435/325; 435/252.3;
435/69.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 349 OF 391 USPATFULL on STN
AN 2000:77202 USPATFULL

IN Der, Channing, Chapel Hill, NC, United States
O'Bryan, John, Chapel Hill, NC, United States
PA Pawson, Anthony, Toronto, Canada
Mount Sinai Hospital Corporation, Toronto, Canada (non-U.S. corporation)
University of North Carolina at Chapel Hill, NC, United States (U.S.
corporation)
PI US 6077686 20000620
AI US 1997-807342 19970228 (8)
DT Utility
FS Granted
LN.CNT 2849
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/252.100
NCL NCLM: 435/069.100
NCLS: 435/252.100; 435/320.100; 435/325.000
IC [7]
ICM: C12P021-06
ICS: C12N001-12; C12N015-00; C12N005-00
EXF 435/69.1; 435/252.3; 435/320.1; 435/325; 435/252.1; 530/350; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 350 OF 391 USPATFULL on STN
AN 2000:37839 USPATFULL
TI Tyramine compounds and their neuronal effects
IN Giulian, Dana J., Houston, TX, United States
PA Baylor College of Medicine, Houston, TX, United States (U.S.
corporation)
PI US 6043283 20000328
AI US 1997-870967 19970606 (8)
RLI Continuation-in-part of Ser. No. US 1996-717551, filed on 20 sep 1996
DT Utility
FS Granted
LN.CNT 3153
INCL INCLM: 514/617.000
NCL NCLM: 514/617.000
IC [7]
ICM: A61K031-165
EXF 514/152; 514/617
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 351 OF 391 USPATFULL on STN
AN 2000:31594 USPATFULL
TI Transgenic mouse expressing an . ***beta*** .- ***Amyloid***
transgene
IN Sato, Masahiro, Kawagoe, Japan
Kobayashi, Takashi, Fukuoka, Japan
Tada, Norihiro, Kawagoe, Japan
Shoji, Mikio, Gunma-gun, Japan
Kawarabayashi, Takeshi, Maebashi, Japan
PA Hoechst Japan Limited, Tokyo, Japan (non-U.S. corporation)
PI US 6037521 20000314
AI US 1994-339708 19941114 (8)
PRAI JP 1993-306026 19931112
DT Utility
FS Granted
LN.CNT 1316
INCL INCLM: 800/018.000
INCLS: 800/009.000; 800/012.000; 800/003.000; 424/009.100; 424/009.200
NCL NCLM: 800/018.000
NCLS: 424/009.100; 424/009.200; 800/003.000; 800/009.000; 800/012.000
IC [7]
ICM: A01K067-00
ICS: A01K067-027
EXF 800/2; 435/172.3; 424/9; 424/9.1; 424/9.2

L4 ANSWER 352 OF 391 USPATFULL on STN
AN 2000:28107 USPATFULL
TI .beta.-sheet nucleating peptidomimetics
IN Kelly, Jeffery W., 213 Chimney Hill Cir., College Station, TX, United
States 77840
PI US 6034211 20000307
AI US 1996-664379 19960614 (8)
PRAI US 1996-18925P 19960603 (60)
DT Utility
FS Granted

INCL INCLM: 530/317.000
INCLS: 546/101.000
NCL NCLM: 530/317.000
NCLS: 546/101.000
IC [7]
ICM: C07K005-00
EXF 548/427; 546/101; 514/323-328; 530/317
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 353 OF 391 USPATFULL on STN
AN 2000:12606 USPATFULL
TI Method for identifying substances that affect the interaction of a
presenilin-1-interacting protein with a mammalian presenilin-1 protein
IN St. George-Hyslop, Peter H., Toronto, Canada
Rommens, Johanna M., Toronto, Canada
Fraser, Paul E., Toronto, Canada
PA Research and Development Limited Partnership, Toronto, Canada (non-U.S.
corporation)
PI US 6020143 20000201
AI US 1997-888077 19970703 (8)
RLI Continuation-in-part of Ser. No. US 1996-592541, filed on 26 Jan 1996
PRAI US 1996-21673P 19960705 (60)
US 1996-21700P 19960712 (60)
US 1996-29895P 19961108 (60)
US 1997-34590P 19970102 (60)
DT Utility
FS Granted
LN.CNT 7847
INCL INCLM: 435/007.100
INCLS: 530/350.000
NCL NCLM: 435/007.100
NCLS: 530/350.000
IC [6]
ICM: C12Q001-00
ICS: C07K014-00
EXF 435/7.1; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 354 OF 391 USPATFULL on STN
AN 2000:12437 USPATFULL
TI SPE-4 peptides
IN L'Hernault, Steven W., Atlanta, GA, United States
PA Emory University, Atlanta, GA, United States (U.S. corporation)
PI US 6019974 20000201
AI US 1997-788231 19970124 (8)
PRAI US 1996-10672P 19960126 (60)
DT Utility
FS Granted
LN.CNT 1297
INCL INCLM: 424/191.100
INCLS: 424/185.100; 424/184.100; 424/192.100; 424/193.100; 424/194.100;
530/300.000; 530/350.000; 530/326.000; 530/327.000; 530/387.100
NCL NCLM: 424/191.100
NCLS: 424/184.100; 424/185.100; 424/192.100; 424/193.100; 424/194.100;
530/300.000; 530/326.000; 530/327.000; 530/350.000; 530/387.100
IC [6]
ICM: C07K007-00
ICS: A61K039-00
EXF 530/300; 530/350; 530/326; 530/327; 530/387.1; 424/184.1; 424/185.1;
424/192.1; 424/193.1; 424/194.1; 424/191.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 355 OF 391 USPATFULL on STN
AN 1999:146753 USPATFULL
TI Genetic sequences and proteins related to alzheimer's disease
IN St. George-Hyslop, Peter H., Toronto, Canada
Rommens, Johanna M., Toronto, Canada
Fraser, Paul E., Toronto, Canada
PA The Hospital for Sick Children, HSC Research and Development Limited
Partnership, Canada (non-U.S. corporation)
The Governing Council of the University of Toronto, Canada (non-U.S.
corporation)
PI US 5986054 19991116
AI US 1996-592541 19960126 (8)
RLI Continuation-in-part of Ser. No. US 1995-500250, filed on 01-11-1995

Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,
filed on 28 Apr 1995
DT Utility
FS Granted
LN.CNT 7292
INCL INCLM: 530/350.000
INCLS: 435/069.100
NCL NCLM: 530/350.000
NCLS: 435/069.100
IC [6]
ICM: C07K014-00
ICS: C12P021-06
EXF 530/350; 435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 356 OF 391 USPATFULL on STN
AN 1999:141615 USPATFULL
TI Diagnostic assay for Alzheimer's disease based on the proteolysis of the
amyloid precursor protein
IN Tamburini, Paul P., Kensington, CT, United States
Dreyer, Robert N., Wallingford, CT, United States
Bausch, Kathryn M., West Haven, CT, United States
PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
PI US 5981208 19991109
AI US 1994-319339 19941006 (8)
RLI Continuation of Ser. No. US 1993-156516, filed on 23 Nov 1993, now
abandoned which is a continuation of Ser. No. US 1992-865167, filed on 9
Apr 1992, now abandoned
DT Utility
FS Granted
LN.CNT 901
INCL INCLM: 435/023.000
INCLS: 435/007.100; 436/518.000; 436/811.000
NCL NCLM: 435/023.000
NCLS: 435/007.100; 436/518.000; 436/811.000
IC [6]
ICM: G01N033-53
EXF 435/7.1; 435/7.9; 435/7.92; 435/7.93; 435/7.94; 435/7.95; 435/23;
435/24; 435/975; 435/4; 436/501; 436/518; 436/528; 436/531; 436/811;
530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 357 OF 391 USPATFULL on STN
AN 1999:141575 USPATFULL
TI Method and composition for modulating amyloidosis
IN Reiner, Peter B., Vancouver, Canada
Connop, Bruce P., Vancouver, Canada
PA The University of British Columbia, Vancouver, Canada (non-U.S.
corporation)
PI US 5981168 19991109
AI US 1998-80141 19980515 (9)
DT Utility
FS Granted
LN.CNT 1184
INCL INCLM: 435/004.000
INCLS: 435/029.000; 514/639.000; 514/638.000; 514/600.000; 514/601.000;
514/395.000; 514/310.000; 514/255.000
NCL NCLM: 435/004.000
NCLS: 435/029.000; 514/255.060; 514/310.000; 514/395.000; 514/600.000;
514/601.000; 514/638.000; 514/639.000
IC [6]
ICM: C12Q001-00
EXF 435/4; 435/29; 514/639; 514/638; 514/600; 514/601; 514/395; 514/310;
514/255
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 358 OF 391 USPATFULL on STN
AN 1999:132768 USPATFULL
TI Method for the treatment of neurodegenerative diseases by administering
VIP, an analogue, fragment or a conjugate thereof
IN Gozes, Illana, Ramat Hasharon, Israel
Fridkin, Matityahu, Rehovot, Israel
PA Yeda Research and Development Co. Ltd., Rehovot, Israel (non-U.S.
corporation)
Ramat University Authority for Applied Research and Product

PI US 5972883 19991026
AI US 1995-413708 19950330 (8)
RLI Continuation-in-part of Ser. No. US 1994-207671, filed on 9 Mar 1994,
now abandoned
PRAI IL 1993-105061 19930316
DT Utility
FS Granted
LN.CNT 1190
INCL INCLM: 514/012.000
INCLS: 530/324.000
NCL NCLM: 514/012.000
NCLS: 530/324.000
IC [6]
ICM: A61K038-00
EXF 514/12; 514/879; 530/324; 530/327; 530/328
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 359 OF 391 USPATFULL on STN
AN 1999:132524 USPATFULL
TI Diagnostic assay for Alzheimer's disease: assessment of A.beta.
abnormalities
IN Tanzi, Rudolph E., Canton, MA, United States
Bush, Ashley I., Somerville, MA, United States
Moir, Robert D., Boston, MA, United States
PA The General Hospital Corporation, Boston, MA, United States (U.S.
corporation)
PI US 5972634 19991026
WO 9612544 19960502
AI US 1997-817423 19970804 (8)
WO 1994-US11895 19941019
19970804 PCT 371 date
19970804 PCT 102(e) date

DT Utility
FS Granted
LN.CNT 2476
INCL INCLM: 435/007.940
INCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.950; 435/975.000;
436/525.000; 436/164.000; 436/172.000
NCL NCLM: 435/007.940
NCLS: 435/007.100; 435/007.900; 435/007.920; 435/007.950; 435/975.000;
436/164.000; 436/172.000; 436/525.000
IC [6]
ICM: G01N033-53
EXF 435/7.1; 435/7.92; 435/7.94; 435/7.95; 435/975; 435/7.9; 436/525;
436/164; 436/172; 436/63
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 360 OF 391 USPATFULL on STN
AN 1999:124950 USPATFULL
TI N-(aryl/heteroaryl) amino acid esters, pharmaceutical compositions
comprising same, and methods for inhibiting . ***beta*** .-
amyloid peptide release and/or its synthesis by use of such
compounds
IN Audia, James E., Indianapolis, IN, United States
Folmer, Beverly K., Newark, DE, United States
John, Varghese, San Francisco, CA, United States
Latimer, Lee H., Oakland, CA, United States
Nissen, Jeffrey S., Indianapolis, IN, United States
Reel, Jon K., Carmel, IN, United States
Thorsett, Eugene D., Moss Beach, CA, United States
Whitesitt, Celia A., Greenwood, IN, United States
PA Athena Neurosciences, Inc., United States (U.S. corporation)
PI US 5965614 19991012
AI US 1997-975977 19971121 (8)
PRAI US 1996-104593P 19961122 (60)
DT Utility
FS Granted
LN.CNT 2939
INCL INCLM: 514/538.000
INCLS: 514/508.000; 560/043.000; 560/035.000
NCL NCLM: 514/538.000
NCLS: 514/508.000; 560/035.000; 560/043.000
IC [6]
ICM: A01N037-12
TCS: A01N037 52. 6076228 28

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 361 OF 391 USPATFULL on STN
AN 1999:113631 USPATFULL
TI Stable macroscopic membranes formed by self-assembly of amphiphilic peptides and uses therefor
IN Holmes, Todd, Somerville, MA, United States
Zhang, Shuguang, Cambridge, MA, United States
Rich, Alexander, Cambridge, MA, United States
DiPersio, C. Michael, Norton, MA, United States
Lockshin, Curtis, Lexington, MA, United States
PA Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)
PI US 5955343 19990921
AI US 1994-293284 19940822 (8)
RLI Continuation-in-part of Ser. No. US 1992-973326, filed on 28 Dec 1992, now abandoned
DT Utility
FS Granted
LN.CNT 2516
INCL INCLM: 435/240.100
INCLS: 435/240.200; 435/240.230; 435/240.241
NCL NCLM: 435/325.000
NCLS: 435/378.000; 435/395.000; 435/401.000
IC [6]
ICM: C12N005-02
EXF 435/240.1; 435/240.2; 435/240.23; 435/240.241
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 362 OF 391 USPATFULL on STN
AN 1999:106439 USPATFULL
TI Peptides and pharmaceutical compositions thereof for treatment of disorders or diseases associated with abnormal protein folding into amyloid or amyloid-like deposits
IN Soto-Jara, Claudio, New York, NY, United States
Baumann, Marc H., Helsinki, Finland
Frangione, Blas, New York, NY, United States
PA New York University, New York, NY, United States (U.S. corporation)
PI US 5948763 19990907
AI US 1996-630645 19960410 (8)
RLI Continuation-in-part of Ser. No. US 1995-478326, filed on 6 Jun 1995
DT Utility
FS Granted
LN.CNT 1306
INCL INCLM: 514/014.000
INCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000
NCL NCLM: 514/014.000
NCLS: 514/015.000; 514/016.000; 514/017.000; 514/018.000
IC [6]
ICM: A61K038-00
EXF 514/2; 514/14; 514/15; 514/16; 514/17; 514/18; 530/300; 530/326; 530/327; 530/328; 530/329; 530/330; 530/331
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 363 OF 391 USPATFULL on STN
AN 1999:85236 USPATFULL
TI Kit for detecting Alzheimer's disease
IN Nixon, Ralph A., Arlington, MA, United States
Saito, Ken-Ichi, Yokohama, Japan
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S. corporation)
PI US 5928885 19990727
AI US 1996-681375 19960723 (8)
RLI Continuation of Ser. No. US 1994-184603, filed on 24 Jan 1994, now patented, Pat. No. US 5624807 which is a continuation of Ser. No. US 1993-95319, filed on 22 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-925594, filed on 22 Jul 1992, now abandoned
DT Utility
FS Granted
LN.CNT 1112
INCL INCLM: 435/007.400
INCLS: 435/967.000; 435/975.000; 436/518.000; 530/387.100; 530/388.100; 530/388.260
NCL NCLM: 435/007.400

530/388.260

IC [6]
ICM: G01N033-573
ICS: C07K016-00; C12P021-08
EXF 435/975; 435/7.1; 435/7.4; 435/7.92; 435/7.93; 435/7.94; 435/7.95;
435/967; 436/518; 436/524; 436/528; 436/530; 436/531; 530/357.1;
530/388.1; 530/388.26
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 364 OF 391 USPATFULL on STN
AN 1999:67429 USPATFULL
TI Transgenic non- ****human**** mice displaying the amyloid-forming
pathology of alzheimer's disease
IN Cordell, Barbara, Palo Alto, CA, United States
PA Scios Inc., Mountain View, CA, United States (U.S. corporation)
PI US 5912410 19990615
AI US 1995-422333 19950413 (8)
RLI Continuation of Ser. No. US 1994-327381, filed on 21 Oct 1994, now
abandoned which is a continuation-in-part of Ser. No. US 1991-716725,
filed on 17 Jun 1991, now patented, Pat. No. US 5387742 which is a
continuation-in-part of Ser. No. US 1990-538857, filed on 15 Jun 1990,
now abandoned
DT Utility
FS Granted
LN.CNT 2702
INCL INCLM: 800/002.000
INCLS: 800/DIG.001; 424/009.200; 935/062.000
NCL NCLM: 800/012.000
NCLS: 424/009.200
IC [6]
ICM: C12N015-00
ICS: C12N005-00; A61K049-00
EXF 800/2; 800/DIG.1; 935/62; 424/9.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 365 OF 391 USPATFULL on STN
AN 1999:27476 USPATFULL
TI APP770 mutant in alzheimer's disease
IN Hardy, John Anthony, Tampa, FL, United States
Chartier-Harlin, Marie-Christine, Villeneuve d'Ascq, France
Goate, Alison Mary, Michael, MO, United States
Owen, Michael John, South Glamorgan, Scotland
Mullan, Michael John, Tampa, FL, United States
PA Imperial College of Science, Technology of Medicine, London, England
(non-U.S. corporation)
PI US 5877015 19990302
WO 9213069 19920806
AI US 1992-104165 19920121 (8)
WO 1992-GB123 19920121
19940121 PCT 371 date
19940121 PCT 102(e) date
PRAI GB 1991-1307 19910121
GB 1991-18445 19910828
DT Utility
FS Granted
LN.CNT 1734
INCL INCLM: 435/325.000
INCLS: 435/252.300; 536/023.500
NCL NCLM: 435/325.000
NCLS: 435/252.300; 536/023.500
IC [6]
ICM: C12N005-10
ICS: C12N001-21; C07H021-04
EXF 435/29; 435/240.1; 435/252.3; 435/6; 435/325; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 366 OF 391 USPATFULL on STN
AN 1998:162469 USPATFULL
TI A.beta. peptides that modulate . ***beta*** .- ***amyloid***
aggregation
IN Findeis, Mark A., Cambridge, MA, United States
Benjamin, Howard, Lexington, MA, United States
Garnick, Marc B., Brookline, MA, United States
Gefter, Malcolm L., Lincoln, MA, United States
Hundel, Amy, ...

Musso, Gary, Hopkinton, MA, United States
 Signer, Ethan R., Cambridge, MA, United States
 Wakefield, James, Brookline, MA, United States
 Reed, Michael, Marietta, GA, United States
 Molineaux, Susan, Brookline, MA, United States
 Kubasek, William, Belmont, MA, United States
 Chin, Joseph, Salem, MA, United States
 Lee, Jung-Ja, Wayland, MA, United States
 Kelley, Michael, Arlington, MA, United States
 PA Praecis Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
 corporation)
 PI US 5854204 19981229
 AI US 1996-612785 19960314 (8)
 RLI Continuation-in-part of Ser. No. US 1995-404831, filed on 14 Mar 1995
 And a continuation-in-part of Ser. No. US 1995-475579, filed on 7 Jun
 1995 And a continuation-in-part of Ser. No. US 1995-548998, filed on 27
 Oct 1995
 DT Utility
 FS Granted
 LN.CNT 4304
 INCL INCLM: 514/002.000
 INCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000
 NCL NCLM: 514/002.000
 NCLS: 514/012.000; 514/014.000; 530/324.000; 530/326.000
 IC [6]
 ICM: C07K014-435
 ICS: C07K007-08
 EXF 514/14; 514/12; 514/2; 530/300; 530/324; 530/326; 930/10
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 367 OF 391 USPATFULL on STN
 AN 1998:157207 USPATFULL
 TI Diagnostic assays for Alzheimer's disease
 IN Nixon, Ralph, Arlington, MA, United States
 Honda, Toshiyuki, Yokohama, Japan
 PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.
 corporation)
 PI US 5849600 19981215
 AI US 1993-149975 19931110 (8)
 DT Utility
 FS Granted
 LN.CNT 960
 INCL INCLM: 436/518.000
 INCLS: 436/528.000; 436/529.000; 436/530.000; 436/161.000; 436/811.000
 NCL NCLM: 436/518.000
 NCLS: 436/161.000; 436/528.000; 436/529.000; 436/530.000; 436/811.000
 IC [6]
 ICM: G01N033-544
 EXF 435/7.1; 435/975; 436/518; 436/530; 436/547; 436/524; 436/528; 436/529;
 436/811; 436/161; 530/350; 530/387.1; 530/387.9; 530/389.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 368 OF 391 USPATFULL on STN
 AN 1998:147262 USPATFULL
 TI Nucleic acids encoding presenilin II
 IN St. George-Hyslop, Peter H., Toronto, Canada
 Rommens, Johanna M., Toronto, Canada
 Fraser, Paul E., Toronto, Canada
 PA The Hospital for Sick Children, Canada (non-U.S. corporation)
 HSC Research and Development Limited Partnership, Canada (non-U.S.
 corporation)
 PI US 5840540 19981124
 AI US 1997-967101 19971110 (8)
 RLI Division of Ser. No. US 1996-592541, filed on 26 Jan 1996 which is a
 continuation-in-part of Ser. No. US 1995-509359, filed on 31 Jul 1995
 which is a continuation-in-part of Ser. No. US 1995-496841, filed on 28
 Jun 1995 which is a continuation-in-part of Ser. No. US 1995-431048,
 filed on 28 Apr 1995
 DT Utility
 FS Granted
 LN.CNT 6709
 INCL INCLM: 435/069.100
 INCLS: 435/320.100; 435/252.300; 435/325.000; 536/023.100; 536/024.300;
 530/350.000
 NCL NCLM: 435/069.100

536/024.300

IC [6]
ICM: C12P021-06
ICS: C07H017-00; C07K014-00
EXF 435/69.1; 435/320.1; 435/252.3; 435/325; 536/23.1; 536/24.3; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 369 OF 391 USPATFULL on STN
AN 1998:143904 USPATFULL
TI Directed evolution of novel binding proteins
IN Ladner, Robert Charles, Ijamsville, MD, United States
Guterman, Sonia Kosow, Belmont, MA, United States
Roberts, Bruce Lindsay, Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur Charles, Newton, MA, United States
Kent, Rachel Baribault, Boxborough, MA, United States
PA Dyax, Corp., Cambridge, MA, United States (U.S. corporation)
PI US 5837500 19981117
AI US 1995-415922 19950403 (8)
RLI Continuation of Ser. No. US 1993-9319, filed on 26 Jan 1993, now
patented, Pat. No. US 5403484 which is a division of Ser. No. US
1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409
which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2
Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US
1988-240160, filed on 2 Sep 1988, now abandoned
DT Utility
FS Granted
LN.CNT 15973
INCL INCLM: 435/069.700
INCLS: 435/172.300; 530/350.000; 530/412.000; 536/023.400
NCL NCLM: 435/069.700
NCLS: 435/091.100; 435/091.200; 435/471.000; 530/350.000; 530/412.000;
536/023.400

IC [6]
ICM: C12N015-62
ICS: C07K019-00
EXF 435/69.7; 435/172.3; 530/350; 530/412; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 370 OF 391 USPATFULL on STN
AN 1998:139024 USPATFULL
TI Soluble form of PrP^{sup}.SC which is insoluble in native form
IN Prusiner, Stanley B., San Francisco, CA, United States
Cohen, Fred E., San Francisco, CA, United States
Muramoto, Tamaki, San Francisco, CA, United States
PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 5834593 19981110
AI US 1996-740947 19961105 (8)
DT Utility
FS Granted
LN.CNT 1331
INCL INCLM: 530/350.000
INCLS: 530/356.000; 435/006.000; 435/007.100; 435/002.300; 435/072.300;
435/236.000
NCL NCLM: 530/350.000
NCLS: 435/006.000; 435/007.100; 435/023.000; 435/236.000; 530/356.000

IC [6]
ICM: C07K001-00
ICS: C07K014-00; C07K016-00; C07K017-00
EXF 530/350; 530/356; 435/236; 435/23; 435/6; 435/7.1; 435/172.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 371 OF 391 USPATFULL on STN
AN 1998:98980 USPATFULL
TI Amyloid precursor protein in alzheimer's disease
IN Mullan, Michael John, Tampa, FL, United States
PA Alzheimer's Institute of America, Prairie Village, KS, United States
(U.S. corporation)
PI US 5795963 19980818
AI US 1997-815637 19970313 (8)
RLI Continuation of Ser. No. US 1995-487118, filed on 7 Jun 1995, now
abandoned which is a division of Ser. No. US 1993-94547, filed on 19 Feb
1993, now abandoned which is a continuation of Ser. No. US 1992-894211,
filed on 4 Jun 1992, now patented, Pat. No. US 5455160

DT Utility
FS Granted
LN.CNT 1053
INCL INCLM: 530/350.000
NCL NCLM: 530/350.000
IC [6]
ICM: C07K001-00
EXF 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 372 OF 391 USPATFULL on STN
AN 1998:88671 USPATFULL
TI Monoclonal ****antibody**** 369.28 specific for .beta. A4 peptide
IN Konig, Gerhard, Branford, CT, United States
Graham, Paul, New Haven, CT, United States
PA Bayer Corporation, Pittsburgh, PA, United States (U.S. corporation)
PI US 5786180 19980728
AI US 1995-388463 19950214 (8)
DT Utility
FS Granted
LN.CNT 926
INCL INCLM: 435/070.210
INCLS: 435/331.000; 436/547.000; 436/548.000; 530/327.000; 530/387.900;
530/388.100; 530/389.100
NCL NCLM: 435/070.210
NCLS: 435/331.000; 436/547.000; 436/548.000; 530/327.000; 530/387.900;
530/388.100; 530/389.100
IC [6]
ICM: A61K039-395
EXF 435/70.21; 435/240.27; 435/70.2; 435/326; 435/331; 530/388.1; 530/388.2;
530/327; 530/387.9; 530/389.1; 436/548; 436/547; 424/184.1; 424/185.1;
424/193.1; 424/194.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 373 OF 391 USPATFULL on STN
AN 1998:58182 USPATFULL
TI Lactacystin analogs
IN Fenteany, Gabriel, Cambridge, MA, United States
Jamison, Timothy F., Cambridge, MA, United States
Schreiber, Stuart L., Boston, MA, United States
Standaert, Robert F., Arlington, MA, United States
PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)
PI US 5756764 19980526
AI US 1995-466468 19950606 (8)
RLI Division of Ser. No. US 1995-421583, filed on 12 Apr 1995
DT Utility
FS Granted
LN.CNT 2392
INCL INCLM: 548/541.000
INCLS: 548/512.000; 548/543.000; 548/557.000
NCL NCLM: 548/541.000
NCLS: 548/512.000; 548/543.000; 548/557.000
IC [6]
ICM: C07D207-12
ICS: C07D207-10; C07D207-08
EXF 548/543; 548/512; 548/557; 548/541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 374 OF 391 USPATFULL on STN
AN 1998:30992 USPATFULL
TI Method for treating Alzheimer's disease using glial line-derived
neurotrophic factor (GDNF) protein product
IN Williams, Lawrence R., Thousand Oaks, CA, United States
PA Amgen Inc., Thousand Oaks, CA, United States (U.S. corporation)
PI US 5731284 19980324
AI US 1995-535682 19950928 (8)
DT Utility
FS Granted
LN.CNT 1677
INCL INCLM: 514/008.000
INCLS: 514/021.000
NCL NCLM: 514/008.000
NCLS: 514/021.000
IC [6]

ICS: A61K047-00; A61K031-685; A61K038-00
EXF 514/8; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 375 OF 391 USPATFULL on STN
AN 1998:28190 USPATFULL
TI ***Antibodies*** directed against elk ligand
IN Lyman, Stewart, Seattle, WA, United States
Beckmann, M. Patricia, Poulsbo, WA, United States
Baum, Peter R., Seattle, WA, United States
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)
PI US 5728813 19980317
AI US 1996-747240 19961112 (8)
RLI Division of Ser. No. US 1995-460741, filed on 2 Jun 1995, now patented,
Pat. No. US 5670625 which is a division of Ser. No. US 1994-213403,
filed on 15 Mar 1994, now patented, Pat. No. US 5512457 which is a
continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 1717
INCL INCLM: 530/387.900
INCLS: 530/388.230; 424/139.100
NCL NCLM: 530/387.900
NCLS: 424/139.100; 530/388.230
IC [6]
ICM: C07K016-24
EXF 530/387.9; 530/388.23; 530/350; 435/69.1; 435/325; 435/331; 435/335;
424/139.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 376 OF 391 USPATFULL on STN
AN 1998:19582 USPATFULL
TI In Vitro method for screening . ***beta*** .- ***amyloid***
deposition
IN Maggio, John E., Brookline, MA, United States
Mantyh, Patrick W., Edina, MN, United States
PA Regents of the University of Minnesota, Minneapolis, MN, United States
(U.S. corporation)
President and Fellows of Harvard College, Boston, MA, United States
(U.S. corporation)
PI US 5721106 19980224
AI US 1994-304585 19940912 (8)
RLI Continuation-in-part of Ser. No. US 1991-744767, filed on 13 Aug 1991,
now patented, Pat. No. US 5434050
DT Utility
FS Granted
LN.CNT 1977
INCL INCLM: 435/007.800
INCLS: 435/007.100; 435/007.900; 436/501.000; 436/504.000
NCL NCLM: 435/007.800
NCLS: 435/007.100; 435/007.900; 436/501.000; 436/504.000
IC [6]
ICM: G01N033-53
EXF 435/4; 435/7.1; 435/7.21; 435/7.8; 435/7.9; 436/501; 436/86; 436/504
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 377 OF 391 USPATFULL on STN
AN 97:123343 USPATFULL
TI Amyloid precursor proteins and method of using same to assess agents
which down-regulate formation of . ***beta*** .- ***amyloid***
peptide
IN Vitek, Michael Peter, East Norwich, NY, United States
Jacobsen, Jack Steven, Ramsey, NJ, United States
PA American Cyanamid Company, Madison, NJ, United States (U.S. corporation)
PI US 5703209 19971230
AI US 1995-464248 19950605 (8)
RLI Division of Ser. No. US 1993-123659, filed on 20 Sep 1993 which is a
continuation-in-part of Ser. No. US 1992-877675, filed on 1 May 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 1937
INCL INCLM: 530/350.000
INCLS: 530/530.000; 514/012.000; 435/060.100; 435/172.200

NCLS: 435/069.100; 530/839.000
 IC [6]
 ICM: C07K014-435
 ICS: C07K014-47; C12N015-12
 EXF 435/69.1; 435/172.3; 514/2; 514/12; 530/350; 530/839
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 378 OF 391 USPATFULL on STN
 AN 97:112579 USPATFULL
 TI Method of isolating .beta.A4 peptide species ending at carboxy-terminals
 residue 42 using monoclonal ***antibody*** 369.2B
 IN Konig, Gerhard, Branford, CT, United States
 Graham, Paul, New Haven, CT, United States
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
 PI US 5693753 19971202
 AI US 1995-472627 19950607 (8)
 RLI Division of Ser. No. US 1995-388463, filed on 14 Feb 1995
 DT Utility
 FS Granted
 LN.CNT 924
 INCL INCLM: 530/344.000
 INCLS: 530/412.000; 530/413.000
 NCL NCLM: 530/344.000
 NCLS: 530/412.000; 530/413.000
 IC [6]
 ICM: C07K001-22
 EXF 530/387.9; 530/388.1; 530/389.1; 530/391.1; 530/391.3; 530/391.5;
 530/391.9; 530/344; 530/412; 530/413
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 379 OF 391 USPATFULL on STN
 AN 97:96730 USPATFULL
 TI Methods of detecting .beta.A4 peptide species ending at carboxy-terminus
 residue 42 using monoclonal ***antibody*** 369.2B
 IN Konig, Gerhard, Branford, CT, United States
 Graham, Paul, New Haven, CT, United States
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
 PI US 5679531 19971021
 AI US 1995-484969 19950607 (8)
 RLI Division of Ser. No. US 1995-388463, filed on 14 Feb 1995
 DT Utility
 FS Granted
 LN.CNT 932
 INCL INCLM: 435/007.100
 INCLS: 435/007.920; 435/007.950; 435/040.500; 435/040.520; 530/387.900;
 530/388.100
 NCL NCLM: 435/007.100
 NCLS: 435/007.920; 435/007.950; 435/040.500; 435/040.520; 530/387.900;
 530/388.100
 IC [6]
 ICM: G01N033-53
 ICS: C07K016-18
 EXF 435/70.21; 435/240.27; 435/387.9; 435/7.1; 435/7.21; 435/7.9; 435/40.52;
 435/40.5; 435/7.92; 435/7.95; 530/388.1; 530/358.2; 530/327; 436/548;
 424/184.1; 424/185.1; 424/193.1; 424/194.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 380 OF 391 USPATFULL on STN
 AN 97:86731 USPATFULL
 TI Elk ligand fusion proteins
 IN Lyman, Stewart, Seattle, WA, United States
 Beckmann, M. Patricia, Poulsbo, WA, United States
 Baum, Peter R., Seattle, WA, United States
 PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)
 PI US 5670625 19970923
 AI US 1995-460741 19950602 (8)
 RLI Division of Ser. No. US 1994-213403, filed on 15 Mar 1994, now patented,
 Pat. No. US 5512457, issued on 30 Apr 1996 which is a
 continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 1742
 INCL INCLM: 530/387.300
 INCLS: 435/069.100; 435/172.300; 435/085.100; 435/182.100; 530/022.100

NCL NCLM: 530/387.300
NCLS: 424/085.100; 424/192.100; 435/069.700; 530/351.000; 536/023.400;
930/140.000
IC [6]
ICM: C07K014-52
ICS: C07K019-00
EXF 530/387.3; 530/351; 435/69.7; 435/172.3; 435/69.1; 435/320.1; 424/85.1;
424/192.1; 536/23.4; 536/23.5; 935/10; 930/140
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 381 OF 391 USPATFULL on STN
AN 97:86591 USPATFULL
TI Stable macroscopic membranes formed by self-assembly of amphiphilic
peptides and uses therefor
IN Zhang, Shuguang, Cambridge, MA, United States
Lockshin, Curtis, Lexington, MA, United States
Rich, Alexander, Cambridge, MA, United States
Holmes, Todd, Cambridge, MA, United States
PA Massachusetts Insititute of Technology, Cambridge, MA, United states
(U.S. corporation)
PI US 5670483 19970923
AI US 1994-346849 19941130 (8)
RLI Continuation of Ser. No. US 1992-973326, filed on 28 Dec 1992, now
abandoned
DT Utility
FS Granted
LN.CNT 2210
INCL INCLM: 514/014.000
INCLS: 514/012.000; 514/013.000; 530/300.000; 530/324.000; 530/325.000;
530/326.000; 530/327.000; 530/350.000
NCL NCLM: 514/014.000
NCLS: 514/012.000; 514/013.000; 530/300.000; 530/324.000; 530/325.000;
530/326.000; 530/327.000; 530/350.000
IC [6]
ICM: A61K007-08
ICS: A61K014-00; C07K038-10; C07K038-16
EXF 530/300; 530/350; 514/12; 514/13; 514/14
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 382 OF 391 USPATFULL on STN
AN 97:70918 USPATFULL
TI Amyloid precursor proteins and method of using same to assess agents
which down-regulate formation of . ***beta*** .- ***amyloid***
peptide
IN Vitek, Michael Peter, East Norwich, NY, United States
Jacobsen, Jack Steven, Ramsey, NJ, United States
PA American Cyanamid Company, Madison, NJ, United States (U.S. corporation)
PI US 5656477 19970812
AI US 1993-123659 19930920 (8)
RLI Continuation-in-part of Ser. No. US 1992-877675, filed on 1 May 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 2040
INCL INCLM: 435/325.000
INCLS: 435/252.300; 435/254.110; 435/348.000; 435/358.000; 435/365.000;
435/365.100; 435/366.000; 536/023.500; 530/839.000
NCL NCLM: 435/325.000
NCLS: 435/252.300; 435/254.110; 435/348.000; 435/358.000; 435/365.000;
435/365.100; 435/366.000; 530/839.000; 536/023.500
IC [6]
ICM: C12N001-15
ICS: C12N001-21; C12N005-10; C12N015-12
EXF 435/172.3; 435/240.2; 435/252.3; 435/254.11; 435/320.1; 536/23.5;
935/79; 530/350; 530/839
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 383 OF 391 USPATFULL on STN
AN 97:49530 USPATFULL
TI Method of modulating DNA binding activity of recombinant .alpha.-1
antichymotrypsin and other serine protease inhibitors
IN Rubin, Harvey, Philadelphia, PA, United States
Cooperman, Barry, Penn Valley, PA, United States
PA The Trustees of the University of Pennsylvania, Philadelphia, PA, United
States (U.S. corporation)

AI US 1995-435480 19950505 (8)
RLI Continuation-in-part of Ser. No. US 1994-276936, filed on 19 Jul 1994,
now patented, Pat. No. US 5612194 which is a continuation-in-part of
Ser. No. US 1994-229286, filed on 18 Apr 1994, now abandoned which is a
continuation-in-part of Ser. No. US 1994-221078, filed on 31 Mar 1994
Ser. No. Ser. No. US 1994-221171, filed on 31 Mar 1994 And Ser. No. US
1993-5908, filed on 15 Jan 1993, now patented, Pat. No. US 5367064 which
is a division of Ser. No. US 1991-735335, filed on 24 Jul 1991, now
patented, Pat. No. US 5252725 which is a division of Ser. No. US
1989-370704, filed on 23 Jun 1989, now patented, Pat. No. US 5079336 ,
said Ser. No. US -221078 which is a continuation-in-part of Ser. No.
US -5908
DT Utility
FS Granted
LN.CNT 702
INCL INCLM: 435/069.200
INCLS: 435/172.300; 530/350.000; 530/395.000; 536/023.500
NCL NCLM: 435/069.200
NCLS: 530/350.000; 530/395.000; 536/023.500
IC [6]
ICM: C07K014-435
ICS: C07K014-81; C12N015-15
EXF 435/69.2; 435/172.3; 530/350; 530/395; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 384 OF 391 USPATFULL on STN
AN 97:38610 USPATFULL
TI Cytokine designated elk ligand
IN Lyman, Stewart, Seattle, WA, United States
Beckmann, M. Patricia, Poulsbo, WA, United States
Baum, Peter R., Seattle, WA, United States
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)
PI US 5627267 19970506
AI US 1995-458077 19950601 (8)
RLI Division of Ser. No. US 1994-213403, filed on 15 Mar 1994, now patented,
Pat. No. US 5512457 which is a continuation-in-part of Ser. No. US
1992-977693, filed on 13 Nov 1992, now abandoned
DT Utility
FS Granted
LN.CNT 1743
INCL INCLM: 530/351.000
INCLS: 424/085.100; 435/069.500; 536/023.500; 935/009.000; 930/140.000
NCL NCLM: 530/351.000
NCLS: 424/085.100; 435/069.500; 536/023.500; 930/140.000
IC [6]
ICM: C07K014-52
EXF 530/351; 424/85.1; 514/12; 435/69.5; 536/23.5; 935/9; 930/140
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 385 OF 391 USPATFULL on STN
AN 97:36068 USPATFULL
TI Methods for detecting Alzheimer's disease by measuring ratios of
calcium-activated neutral protease isoforms
IN Nixon, Ralph A., Arlington, MA, United States
Saito, Ken-Ichi, Yokohama, Japan
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.
corporation)
PI US 5624807 19970429
AI US 1994-184603 19940124 (8)
RLI Continuation of Ser. No. US 1993-95319, filed on 22 Jul 1993, now
abandoned which is a continuation-in-part of Ser. No. US 1992-925594,
filed on 22 Jul 1992, now abandoned
DT Utility
FS Granted
LN.CNT 1268
INCL INCLM: 435/007.400
INCLS: 435/007.900; 435/007.920; 436/063.000; 436/518.000; 436/547.000;
436/548.000; 436/811.000
NCL NCLM: 435/007.400
NCLS: 435/007.900; 435/007.920; 436/063.000; 436/518.000; 436/547.000;
436/548.000; 436/811.000
IC [6]
ICM: G01N033-573
ICS: G01N033-53; G01N033-48
EXF 435/7 4 435/7 0 435/7 02 435/7 05 435/075 435/077 435/067

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 386 OF 391 USPATFULL on STN
AN 96:101466 USPATFULL
TI Directed evolution of novel binding proteins
IN Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
PA Protein Engineering Corporation, Cambridge, MA, United States (U.S. corporation)
PI US 5571698 19961105
AI US 1993-57667 19930618 (8)
RLI Continuation of Ser. No. US 1991-664989, filed on 1 Mar 1991, now patented, Pat. No. US 5223409 which is a continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1988-240160, filed on 2 Sep 1988, now abandoned
DT Utility
FS Granted
LN.CNT 15323
INCL INCLM: 435/069.700
INCLS: 435/006.000; 435/064.100; 435/172.300; 435/252.300; 435/320.100
NCL NCLM: 435/069.700
NCLS: 435/006.000; 435/069.100; 435/252.300; 435/320.100; 435/477.000
IC [6]
ICM: C12N025-62
EXF 435/6; 435/64.1; 435/64.7; 435/172.3; 435/252.3; 435/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 387 OF 391 USPATFULL on STN
AN 96:36458 USPATFULL
TI Cytokine designated elk ligand
IN Lyman, Stewart, Seattle, WA, United States
Beckmann, M. Patricia, Poulsbo, WA, United States
Baum, Peter R., Seattle, WA, United States
Carpenter, Melissa K., Issaquah, WA, United States
PA Immunex Corporation, Seattle, WA, United States (U.S. corporation)
PI US 5512457 19960430
AI US 1994-213403 19940315 (8)
RLI Continuation-in-part of Ser. No. US 1992-977693, filed on 13 Nov 1992, now abandoned
DT Utility
FS Granted
LN.CNT 1746
INCL INCLM: 435/069.500
INCLS: 435/172.100; 435/320.100; 424/085.100; 536/023.500; 536/024.310; 935/009.000; 530/351.000; 930/140.000
NCL NCLM: 435/069.500
NCLS: 424/085.100; 435/320.100; 530/351.000; 536/023.500; 536/024.310; 930/140.000
IC [6]
ICM: C07H021-04
ICS: C12P021-02; C12N015-19; C07K014-52
EXF 536/23.5; 536/24.5; 536/24.31; 530/350; 530/351; 435/69.1; 435/320.1; 435/172.1; 935/9; 424/85.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 388 OF 391 USPATFULL on STN
AN 95:88386 USPATFULL
TI Nucleic acids for diagnosing and modeling Alzheimer's disease
IN Mullan, Michael J., Tampa, FL, United States
PA Alzheimer's Institute of America, Inc., Prairie Village, KS, United States (U.S. corporation)
PI US 5455169 19951003
AI US 1992-894211 19920604 (7)
DT Utility
FS Granted
LN.CNT 1040
INCL INCLM: 435/240.200
INCLS: 435/320.100; 536/023.100; 536/023.500; 536/024.310; 536/024.330
NCL NCLM: 435/325.000
NCLS: 435/320.100; 536/023.100; 536/023.500; 536/024.310; 536/024.330

ICM: C12N005-10
ICS: C12N015-12; C12N015-85
EXF 435/240.2; 435/320.1; 435/172.3; 435/6; 536/23.1; 536/23.5; 536/24.31;
536/24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 389 OF 391 USPATFULL on STN
AN 95:11757 USPATFULL
TI Transgenic mice displaying the amyloid-forming pathology of alzheimer's
disease
IN Cordell, Barbara, Palo Alto, CA, United States
PA Scios Nova Inc., Mountain View, CA, United States (U.S. corporation)
PI US 5387742 19950207
AI US 1991-716725 19910617 (7)
RLI Continuation-in-part of Ser. No. US 1990-538857, filed on 15 Jun 1990,
now abandoned
DT Utility
FS Granted
LN.CNT 2014
INCL INCLM: 800/002.000
INCLS: 424/009.000; 435/142.300; 536/023.500
NCL NCLM: 800/012.000
NCLS: 536/023.500; 800/018.000
IC [6]
ICM: A61K049-00
ICS: C12N015-00; C07H015-12
EXF 800/2; 435/6; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 390 OF 391 USPATFULL on STN
AN 93:52487 USPATFULL
TI Directed evolution of novel binding proteins
IN Ladner, Robert C., Ijamsville, MD, United States
Guterman, Sonia K., Belmont, MA, United States
Roberts, Bruce L., Milford, MA, United States
Markland, William, Milford, MA, United States
Ley, Arthur C., Newton, MA, United States
Kent, Rachel B., Boxborough, MA, United States
PA Protein Engineering Corp., Cambridge, MA, United States (U.S.
corporation)
PI US 5223409 19930629
AI US 1991-664989 19910301 (7)
RLI Continuation-in-part of Ser. No. US 1990-487063, filed on 2 Mar 1990,
now abandoned And a continuation-in-part of Ser. No. US 1988-240160,
filed on 2 Sep 1988, now abandoned
DT Utility
FS Granted
LN.CNT 15410
INCL INCLM: 435/069.700
INCLS: 435/069.100; 435/172.300; 435/252.300; 435/320.100; 530/380.300;
530/387.500
NCL NCLM: 435/069.700
NCLS: 435/005.000; 435/069.100; 435/252.300; 435/320.100; 435/472.000;
530/387.300; 530/387.500
IC [5]
ICM: C12N015-09
ICS: C12N015-62; C12N015-63
EXF 435/69.1; 435/172.3; 435/252.3; 435/320.1; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 391 OF 391 USPATFULL on STN
AN 92:61895 USPATFULL
TI Nerve growth factor peptides
IN Mobley, William C., Moraga, CA, United States
Longo, Frank M., San Francisco, CA, United States
Kauer, James C., Kennett Square, PA, United States
PA Regents of the University of California, Berkeley, CA, United States
(U.S. corporation)
PI US 5134121 19920728
AI US 1991-640577 19910114 (7)
RLI Continuation of Ser. No. US 1989-299698, filed on 23 Jan 1989, now
abandoned which is a continuation-in-part of Ser. No. US 1988-173975,
filed on 28 Mar 1988, now abandoned
DT Utility
FS Granted